

SEQUENCE LISTING

<110> Ruben et al.

<120> 90 Human Secreted Proteins

<130> PZ013P2C1

<150> 09/969,730

<151> 2001-10-06

<150> 09/774,639

<151> 2001-02-01

<150> 60/238,291

<151> 2000-10-06

<150> 09/244,112

<151> 1999-02-04

<150> PCT/US98/16235

<151> 1998-08-04

<150> 60/056,371

<151> 1997-08-19

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<151> 1997-08-18

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<170> PatentIn Ver. 2.0

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tctcccgac tcctgaggtc acatgcgtgg tggtgacgt aagccacgaa gaccctgagg		180
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gcccctaact ccggccagtt ccgccccatc tccgccccat ggctgactaa ttttttttat 180
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cagttccgccc cattctccgc cccatggctg actaattttt ttatattatg cagaggccoga 180
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catgcataat ctatatacaa gtataatttc atttttatat aatttctgtg ccttacctct 120
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gggagggttt gaatccaggt ctcttaggaac caaaagtca tgcaccttcc aaggcaaaagg 240
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agggttcaat agtgttcccc caaaaattcct ctcaacactg aagctcagaa tggaccta 360
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gattaatttg ggtcctaaat ctaatgactg gtatccttt aagaagaaga gaaaacacag 480
gacacagaca caaggaagca gcaaacgtga agacagagggc tgggggtgtt gtatgcacg 540
tataaggcat gggccaccc gaggctggg aaggataagg agggaccctt ccccaaagcc 600
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710

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ccggtaacctg cgctcgctgg agcccgacac ctccarggc ctggagcggc tgcagtcgct      600
gcattttgtac cgtgccagct cagcarcstg cccggcaaca tcttccgagg cctggtcagc      660
ctgcagtagc tctacccctca ggagaacagc ctgctccacn tacaggatga ttgttccg      720
gacttggcca acctgagcca cctcttccctc cacggganag cctgcccgtc ctcacagagc      780
acgtgtttcg cggcctgggc agcctggacc ggctgctgct gcacgggaac cggctgcagg      840
gcgtgcaccgc cgccggccttc cgcggcctca gccgcctcac catccctctac ctgttcaaca      900
acagccctggc ctgcgtgccc ggcgaggcgs tggccgaccc gcccctgctc gagttrctgc      960
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<210> 20
<211> 733
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)
<223> n equals a,t,g, or c

<400> 20
gcnggtggcg gccrcrtcgt agaacttagtg gatccccckg ggctgcagga attcggcacg      60
agggcggatt catcatgaag caaacgcggc tgaacccccc agtggtcttc attcttctcc      120
aacccttcc aagacccagg gatgggtca gcaattctgt tttataatt ttgcattctg      180
tcccttaaat cataaaagaga gcccccaatc tgtaaagctt ctgatcccac acaacctctc      240
agggctccag ggtcctgagg aggatggcca ggtaactgtg ggcctgtgtt ggagccagcg      300
ggcacccagg gcttcctggc gggccaggc cctggtcata gactgagcca gammagcatc      360
agcytccgat ctcaggccc ctgcgggtgag gggcccaatg cccctgataa ggctctgtc      420
ctaaagggtt gttggccttg aacaagctgc tccctgcct cagttcccam ttcaaggatgg      480
agacatgaat gagagaagtg tccctgaaac tccctgatggc ttccatttc ctggttct      540
gtcttcctg aggctgaatt cttcgctgc ttctctgag atccctctac ttccctgcca      600
gaaatttctt ctttagtctg ttcaagatgt agtgcaaaatg aaaataaaaaa agtgcagtt      660
caaagtgcaa tcaaaaacaaa caaacaaact ttggctaagg caaaacccaaa ccaaaaaaaaaa      720
aaaaaaaaaa ctc                                733

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<210> 21
<211> 722
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (697)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (717)
<223> n equals a,t,g, or c

<400> 21
gaattcggca cgagcatgag ccactgcacc cagccgatac tactatatcc ccattttaca      60
gatgagcaca tggccaaatt gagggttaagg cactgaccct tgatcataca gctgagaagt      120
ggcaaaggca ggatttgaac cttagaacccctc tggctccaca cactagtaat ctaaaccact      180
ctccctacaa tacaacatac gtggtaaaga tgggtgggtgg gcacgcaatc aacgttaggtc      240
ccttcacagt tgctgggaga ggcaggaatt tgcaagttccct ccgcgttctc ctccctccgct      300
gcccacctgt cctgggtcat tcctgcagcs tgccctgccc tgcctggtct caccctccct      360
ctgccaacag aagtctggc agggtttat gggctctgat aaggccctgg cagggccgaa      420
gttcatgagc acttcccttt tgcaggaggg cgtaggggag gggaccagg tgattgggt      480
cctggctggt caccaggaa gctggcaagg gaagggagac tagggtgcgc tctaggagaa      540
gccgacagcc tgagagtccc agaagaggag coctgtggac cctccctgc cagccactcc      600
cttaccctgg gtataagagc caccaccgccc tgccatccgc caccatctcc cactcctgca      660
gctttctca cagaccagcc actagcgcag cctcganggg gggcccggtcc caattnccct      720
ct      722

<210> 22
<211> 700
<212> DNA
<213> Homo sapiens

<400> 22
ggtcgaccca cgcgtccgga atatttaagg gtaaaatttt tctactttta aagcttaaaa      60
aaatgttttt ttactactgt aaaagtaatg cagagaaatg ttcaattacc aaacacatac      120
ctttgtaaaa atcaccactt aaagtttgg tctaaagatt ttaggacacc aagatgcaaa      180
taatattttt ggctgttacc tgctcttca ctactgctga gtctgcagtg gcaagatagc      240
tacacagtagc ctcagccctc ctgctcagtt ttaacatct attgataata ctaattacaa      300
gaaaatttaa aatgttttt tgcaaaaaga taccataagc agtcaaaaaca caattaaaaa      360
aaaaaaaaagag agagatgtaa acaattactt tccggccggg tgcgggtggct cacacctgta      420
atcccagcat tttgggagac caaggccggg ggattgcctg aggtcaggag ttcaagacca      480
gcctggctaa catggtaaa acccatctct actaaaaata caaaaaaaaata gccaggcgtg      540
gtgacgcatt cctgttagtcc caggtactcg ggaggctgag gcaggagaat cgcctgaacc      600
caggagatgg aggttgcggg gagccaagat cacgcccactg cactccagcc tgggtgatag      660
agcaagactc tgtttccaaa aaaaaaaaaa aaggggccggcc      700

<210> 23
<211> 1266
<212> DNA
<213> Homo sapiens

<400> 23
cccatgtcgg ccctgaggcg ctcgggctac ggccccagtg acggtccgtc ctacggccgc      60

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tactacgggc	ctgggggtgg	agatgtgccg	gtacacccac	ctccaccctt	atatcctctt	120
cgcctgaac	ctccccagcc	tcccattcc	tggcggtgc	gcggggcgg	cccgccggag	180
accacctggc	tgggagaagg	cggaggaggc	gatggctact	atccctcggg	aggcgctgg	240
ccagagcctg	gtcgagccgg	aggaagccac	cagagttga	attcttatac	aaatggagcg	300
tatggtccaa	cataaaaaaa	aggccctggg	gcaaatactg	ccttcatact	caggggctta	360
wtatgcacct	ggttatactc	agaccagtta	ctycacagaa	ttccaagtac	ttaccgttca	420
tctggcaaca	gccccactcc	agtctctcg	tggatctatc	cccagcagga	ctgtcagact	480
gaagcamccc	ctcttagggg	caaggttcca	ggatatccgc	ttcamagaa	mcctgaaatg	540
amcctgcccc	attatcctta	tggagatggt	aatcgttagt	ttccacaatc	aggaccgact	600
gtacgaccac	aagaagatgc	gtgggcttct	cctgggtcgtt	atggaatggg	tggccgttat	660
ccctggcctt	catcagcgcc	ctcagcacca	cccgcaatc	tctacatgac	tgaagtactt	720
caccatggcc	tagcgtggc	tctccccagt	caccccttc	accccccagtc	cagcagccca	780
aggattttc	atacccttat	agccaaatcag	atcaaagcat	gaaccggcac	aactttcctt	840
gcagtgtcca	tcaagtacgaa	tcctcgggga	cagtgaacaa	tgatgattca	gatctttgg	900
attcccaagt	ccagttatgt	gctgagcctc	agctgtatgg	taatgccacc	agtgaccatc	960
ccaacaatca	agatcaaagt	agcagtttc	ctgaagaatg	tgtaccttca	gatgaaagta	1020
ctctcccgag	tattaaaaaa	atcatacatg	tgctggagaa	ggtccagtat	tttgaacaag	1080
aagttagaaga	attttagga	aaaaagacag	acaaagcata	ctgggcttctg	gaagaaatgc	1140
taaccaagga	acttttgaa	ctggatttcg	ttgaaactgg	ggccaggac	tctgtacggc	1200
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actcga						1266

<210> 24						
<211> 785						
<212> DNA						
<213> Homo sapiens						
<400> 24						
gaattcggca	cgagcttgtt	cacactcagt	aaacacattt	gttgaattcc	tctgattgtc	60
aattagcaat	ggttttgc	agaatactgg	tattgtatgt	gttttttagca	ctgaaaaatc	120
ctgtgggaga	aatgaggaat	ttaacacatt	gtaggtgtt	agattcctgg	gtgtctgaca	180
gtatccctgg	aaccattatc	attaattaac	tttcaatca	gaaaggcaaa	ctactttgt	240
gttaggcttc	cagatgaggt	ttttgaaaa	aacagtaaga	taataaaggc	ttggattgtct	300
cctacttcct	gaggcaagtc	acatctcata	ttattcagaa	cttggactga	agagctcata	360
gggcaagtga	ggccaaggc	aggagtcttc	agacatctt	ggccaagtgc	cattctagaa	420
gaaatgattc	tcttcctcag	tcaccatcta	tctatgcccc	caggttgac	tcgctcttt	480
cccaaggagt	gctgttcatt	cctgacacaa	gggagaccag	aaaagagatc	atgaatgaca	540
gtgaaaacct	ttatgacact	gacataaagc	agagagttt	actgaatatg	agttggtagc	600
ttttcctttg	tatctgtgt	agttgaatca	tacaaaattt	tcatttttgt	gattcaaaag	660
tgtaaaacaa	aagcaagttc	atatgattca	agcttacatt	ttttctcac	tataagaaag	720
aggatttaaa	gaattgtatt	aggtagcga	atctgatttc	tttcatgcaa	atacagctcc	780
tccga						785

<210> 25						
<211> 2351						
<212> DNA						
<213> Homo sapiens						
<220>						
<221> misc_feature						
<222> (593)						
<223> n equals a,t,g, or c						
<400> 25						
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agcaatggca	gagtatattt	cgtcaaccac	aacacacgaa	ttacacataatg	ggaagacccc	120
agaagtcaag	gtcaattaaa	tgaaaagccc	ttacctgaag	ggtgggaaat	gagattcaca	180
gtggatggaa	ttccatattt	tgtggaccac	aatagaagaa	ctaccaccta	tatagatccc	240

cgcacaggaa aatctgccct	agacaatgga cctcagata	g cctatgttcg ggacttcaaa	300
gcaaaagg	ttc agtatttccg	gttctgggt cagcaactgg ccatgccaca	360
attacagtga	caagaaaaac	attgttgag grttccttc aacagwtawt	420
ccccaa	gatc tgcgargacg	tttgtgggt atttttccag gagaagaagg	480
ggaggtgt	caagagaatg	tttgcacatg aagtgttcaa ccaatgtat	540
tgcctgtt	aatatgcagg	tgaggataac tactgcttc agataaaacc	600
atcaatcc	atcacctgaa	atatttcgt ttatttggca gatttattgc	660
ttccatgg	aaattcataga	catggctctg cacgggttt tcttaccat	720
aaaccagg	tg gactcaagga	tckakaagcg tatcttgaac	780
ttttagaa	tttgcacat	tttgcacat ttctctcatc	840
tgggttaagg	aaaacaat	tgaggatgt gatttggaa tgtaatttctc	900
gaaattct	gtgaaattaa	cggtgacaaa gagtcatgt ctgaaaccta	960
acagaagaa	ataaaagagga	atatttcgt ttatttggca gatttattgc	1020
gttgaaga	ac agacacaagc	catggctctg cacgggttt tcttaccat	1080
ttgcaat	act ttgatgcaaa	tttgcacat ttctctcatc	1140
ttgaat	gtgaaattaa	tttgcacat ttctctcatc	1200
atgtgg	tttgcacat ttctctcatc	tttgcacat ttctctcatc	1260
tttgcacat	tttgcacat ttctctcatc	tttgcacat ttctctcatc	1320
ggaccac	aga aattctgc	tttgcacat ttctctcatc	1380
acctgtt	tttgcacat ttctctcatc	tttgcacat ttctctcatc	1440
ctgtgtt	tttgcacat ttctctcatc	tttgcacat ttctctcatc	1500
accat	tttgcacat ttctctcatc	tttgcacat ttctctcatc	1560
gtaaaatt	tttgcacat ttctctcatc	tttgcacat ttctctcatc	1620
tttagat	tttgcacat ttctctcatc	tttgcacat ttctctcatc	1680
ctagtc	tttgcacat ttctctcatc	tttgcacat ttctctcatc	1740
ttccact	tttgcacat ttctctcatc	tttgcacat ttctctcatc	1800
gtagtgtt	tttgcacat ttctctcatc	tttgcacat ttctctcatc	1860
atataca	tttgcacat ttctctcatc	tttgcacat ttctctcatc	1920
actcct	tttgcacat ttctctcatc	tttgcacat ttctctcatc	1980
gacttg	tttgcacat ttctctcatc	tttgcacat ttctctcatc	2040
gcaagact	tttgcacat ttctctcatc	tttgcacat ttctctcatc	2100
cacagc	tttgcacat ttctctcatc	tttgcacat ttctctcatc	2160
cactt	tttgcacat ttctctcatc	tttgcacat ttctctcatc	2220
ccggc	tttgcacat ttctctcatc	tttgcacat ttctctcatc	2280
cctttag	tttgcacat ttctctcatc	tttgcacat ttctctcatc	2340
ggcagcgt	tttgcacat ttctctcatc	tttgcacat ttctctcatc	2351

<210> 26  
 <211> 510  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (2)  
 <223> n equals a,t,g, or c

gnaccccccgg	gctgcaggaa	ttcggcmcga gaaatgaggc	ttcagcctga catctgttaac	60
ctccccacca	accctctgag	tctgaagttt ggcttgatgc	tgttatcact gaccctttgt	120
ttggagaaaa	cagtccaaagg	tttgaattt ggtctatgtt	tattcaaact aagcttctct	180
gagcacatgg	tctgtcccac	tcatccctcag agtatccgtt	ggttttactt catgttcaga	240
ctgcagtgtt	gttaaaagaaaa	tttgcacat ttctctcatc	tttgcacat ttctctcatc	300
ttcatgttcc	cactgctcca	tttgcacat ttctctcatc	tttgcacat ttctctcatc	360
caaagccagg	ttttctggca	tttgcacat ttctctcatc	tttgcacat ttctctcatc	420
agacctgcct	accttcttgg	tttgcacat ttctctcatc	tttgcacat ttctctcatc	480
ttaccttaaa	aaaaaaa	tttgcacat ttctctcatc	tttgcacat ttctctcatc	510

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<210> 27
<211> 1307
<212> DNA
<213> Homo sapiens

<400> 27
ggtcgaccca cgctccgga gccgcgaggg agaggccgcg gccccttccc gttgcctgcg      60
gccaccggcc ggcattcaga gcccctcgcc tggcgctaaa tttaaaaacg taacacgagc      120
agcaggctgg tctcgaaac gaaacgaaat tcggccctcg ggcctccctc cgggcgctgc      180
cggtccctca gcgcgcccgcg ccacccggaa cagacccttc tcccggcatt ttcggcgggg      240
ctgggagact gaggcccgcg ggcgtgagcc tgcggcgcgc cggaaagaggc gggcggcatg      300
gccgctggcg tggactgcgg ggacggggtt ggcgcccgcg agcacgtgtt cctggtttca      360
aatattaa aagatgttc aaagaagatg aaaaatgggc taatgtttgt aaaactgggt      420
aaccctgtt caggagaagg agccattac ttgttcaata tgcgtctaca gcagctgtt      480
gaagtaaaag tttcaagga aaaacaccat tcttggtttta taaatcaatc agttcaatca      540
ggaggtttc tccattttgc cacacctgtg gatcctctat ttctgttttccactaccc      600
ataaaggctg ataaggaggg gaagtttcag cccttgcata aagttgtgtt ggataacgtg      660
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acagagggaa aagtaatcc agaaatagac aacaagaaat attacaagta cagcaaagag      780
aagacattaa agtggctgga aaaaaagggtt aatcaaactg tggcagcattt aaaaaccaat      840
aatgtgaatg tcagttcccg ggtacagtca actgcatttt tctctggta ccaagcttcc      900
actgacaagg aagaggatta tattcggtt gccatggtc tgatatctga ctacatccct      960
aaagaatcaa gtgatgactt atctaaatac ttaaagcttc cagaaccttc agcctcatgg      1020
ccaaatcctc catcaaagaa aataaaggta tcagatgagc ctgtagaagc aaaaagaagat      1080
tacactaagt ttaatactaa agatttgaag actgaaaaga aaaaatagcaa aatgactgca      1140
gctcagaagg cttggctaa agttgacaag agtggaatga aaagtattga taccttttt      1200
ggggtaaaaaa ataaaaaaaaa aattggaaag gtttggaaact ttgaaaataa aatctagcaa      1260
aaataaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaaag ggccggcc      1307

<210> 28
<211> 794
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (345)
<223> n equals a,t,g, or c

<400> 28
tcgaccacg cgtccgagat cttcagcaga aagatattgg tgcgttgcg gagttcagct      60
ttaacatacc tcgtgcggaa agagagctgg ctcagctgaa caaatgcacc tccccacagc      120
agaagcttgt ctgcttgcgaa aagtggtgc agctcattac acagtctcca agccagagag      180
tgaaccttggc gaccatgtgt gctgatgatc tgctatcgtt cctgttatac ttgcttgcg      240
aaacggagat ccctaattgg atggcaatt tgagttacat caaaaacttc aggttttagca      300
gcttggcaaa ggatgaaactg gggatactgc ctgacctcat tcgangctgc ccattgaata      360
ttcggcaagg aagcctctct gctaaacccc ctgagttctga gggatttggc gacaggctgt      420
tccttaagca gagaatgagc ttactcttc agatgacttc gtctccacc gactgcctgt      480
ttaaggctga tgctctatta gaataaaaaga ggatccccta gtccatagca agtataaaaa      540
taataataaa taaaaaaaaa acaagatgaa gctggggcatg gtgggtgtca cttgttagtcc      600
cagctatatg ggaggctgag gtggggaggat cacttgagcc cgagaggttt aggctgcagt      660
gagctctgtat tgcgttgcactc tactccagcc tggggcaacat agcaagaccc tgggttctaaa      720
aaaataaaata aataaattct gttatttgc accctgttagg gattcactga aaaaaaaaaaa      780
aaaaaaaaaggc ggcc      794

<210> 29
<211> 1040
<212> DNA

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```

<213> Homo sapiens

<220>
<221> misc_feature
<222> (33)
<223> n equals a,t,g, or c

<400> 29
cctggcaggt accggctccg gtaattccg ggntcgaccc acgcgtccgc ggcgccccgt a 60
agcggacgt gttagggtg gcgggggtt ggcggcggtt cgagaggctc tgggcccggca 120
gtctaagtc tcgcagcctg gctcttgcag ccgcacccctc aagcaacgga tccccatggc 180
gcttgggg cgcttgcac ctgcagcggc cacctgttagt ctccaagccg ttgaccccat 240
tgcaggaaga gatggcgtct ctactgcagc agattgagat agagagaagc ctgttattcag 300
accacgagct tcgtgctctg gatgaaaacc agcgactggc aaagaagaaa gctgaccttc 360
atgatgaaga agatgaacag gatatattgc tggcgcaaga tttgaagat atgtgggagc 420
agaaatttct acagttcaaa ctggagctc gcataaacaga agctgatgaa aagaatgacc 480
gaacatccct gaacaggaag cttagacagga accttgcctt gtttagtcaga gagaagttt 540
gagaccagga tgtttgata ctgccccagg cagagtggca gcctggggag acccttcgag 600
gaacagctga acgaacccctg gccacactct cagaaaacaa catggaagcc aagtccctag 660
gaaatgcacc ctgtgggcac tacacattca atttccccca ggcaatgcgg acagagagta 720
acctcggagc caaggtgttc ttcttcaaag cactgttattt aactggagac ttttcccagg 780
ctgggataaa gggccatcat gtgtgggtca ctaaggatga gctgggtgac tatttgaaac 840
caaataacct ggcccaagtt aggaggtttg ttcagacct ctgatggcc gagctgcctg 900
tggacgggtc tcagacaagt ctgggatttag agcctcaagg acattgtgtg attgcctcac 960
atttgcaggt aatatcaagc agcaaactaa attctgagaa ataaacgagt ctattacwaa 1020
aaaaaaaaaaa aaaaatcgca 1040

<210> 30
<211> 781
<212> DNA
<213> Homo sapiens

<400> 30
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aaaggcgggt ggtttacgta gctcagcaga caagacgcca gatggatgt atgcttgatt 180
gaaagtaccc acctgttatt ctgcgaacac aatgggagga acagaatcct acatccctc 240
atccccctta ctgaggactc ttcttcttca atacttagta ttttatattt acctgtatct 300
attattctac gtggcaagaa gtcctttgg gaaggcagaa tataaataat gtagtttat 360
taatagataa gtatttagtaa aactttgcat tagaagatgt atgactgacg ttgcataagag 420
ttgtgtgatg tagagtaata ttccatggtg tacacatcca taattatgtt tgccgaaaca 480
tgaataccct actacaggctc ttgtgtatag acatcagggt gggatgcat agggggacaaa 540
aatgtacaca atttgggtc tgctctcaga gagattacat agtaggagag gaagacccag 600
tattaaaaaa tagaataaaag gcaagtgcggc caaatcttgc tcattaattt tractggaaag 660
agaggcttag gaaagatgag acatttaagc attgcatgaa ggaaaaaaaaga agtagatctc 720
cttggcaggt ggataggcta ggacattcca aactgagaaa aaaaaaaaaaa aaacgscacg 780
a 781

<210> 31
<211> 750
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (749)
<223> n equals a,t,g, or c

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<400> 31
gagctgcctg atgaaaagaa gagaagaaag gtccctggcgc tcccctcaca ccgaggcccc      60
aaaatcaagg tgcgggacaa aggcaaagtg aagcccggtcc atcccaaaaa gccaaagcca      120
cagataaacc agtggaaagca ggagaagcag caattatcgt ccgagcaggat atcttaggaaa     180
aaagctaagg gaaataagac ggaaaccgc ttcaccgc tggtcaaca atataagcag      240
aaattatgg gacccctaa aggagcacct ctgc当地 gggcaatg gtttgatagt      300
tgc当地 gggctggc agcaggctgg gtaagaagct gggttggta ctttctggg acactcctgg      360
gctccccc atccccctg tctctactg aggaaagaa aatcccaag ggcactgc当地      420
ctgtgctcgg aggtggcctg gactgtgtac atctgaactt tggtccatcc tttgatgtgt      480
ggttcgtag ccacaaagag aaatatctga aagtcaacat gatgcttctt gcatattatc      540
cagattattg tatgaagttg tgtctataat tattaccaat ttttattctt tatttctcaa      600
atggaaacac ctgaaaaagc attctggagt gctgaatttt taagatgtat attttggtaa      660
gcatattctc taaatgagat attgtgtggc ttttagtaa caacgtcatt tctaataaaa      720
aaaaaaaaaa aaaaagaaaa gaaaaaaaaa      750

<210> 32
<211> 697
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (394)
<223> n equals a,t,g, or c

<400> 32
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<212> DNA
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<210> 45
<211> 496
<212> DNA
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 <212> DNA  
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<212> DNA  
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tggaaacagac agatgtttac tcttccttgc aatgagtagg tttggattta agagccgatt 720  
agaggctact tcctgtaaac aagtacagga aatgaaact agacgggtgg gggacactag 780  
aatgaaaaacc agtgttaggg taaagacaaa acagactatg tacataatct gtatatggg 840  
aaagaaaagag cggaaattacc ttacttaagg ataataggac aagacaaattt acagattgtc 900  
tcagagaaaaa caaatgagttt actctctcggtt acaagctgtt ggtcctacat aaatgtcc 960  
caggacatttgc gacagtcgtt cagggtacag aataattttt cgttgtgtgg cactaaccc 1020  
cacactgcgtt gacatcggtt tccctggctt catccactca gtgtggag tagtccccag 1080  
ttattatgaa accaccaata acccactgtac cacagtggaa accactgtt ttttccactg 1140  
acctactgaa tatcttagcat ccttagattt gctcaactgt tactttcttca aggagtcc 1200  
ctacagaata ggtcagatct tggcccttcca aaccctttat ttttaaaata ctttgcggct 1260

tgctttgata atttgttata tgtatccaaa ctgaaattat ctgcttctg cattagaatg 1320  
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ccagcagcat gctttgtaca ctgatataatt gggtaaattt tgttgaataa attaagctca 1440  
actatttgta tttcaatagt tgagttgtat tgcttcgtc tcttcagct taatttgaac 1500  
tgtctaataa aaagaagtaa taaaaaaaaa aaaaaaaaaac tcga 1544

<210> 50  
<211> 738  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)  
<223> n equals a,t,g, or c

<220>  
<221> misc\_feature  
<222> (14)  
<223> n equals a,t,g, or c

<220>  
<221> misc\_feature  
<222> (66)  
<223> n equals a,t,g, or c

<400> 50  
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gagtagtagc tacttatggg ggtgtagaaa gaatggccctc tctcttagac aatttcattt 180  
taaacatcat agtcatctt tgcatagtga ttgactccctc tctttgtggt ttcatgtatt 240  
tctttgtgat tgattccccca gtgcctgcct gcagtcattt gcaactctcc caaactttaa 300  
tcctgcagct tcagcccact gctagatatt tccattgtatg acctgtcatc tggaaacccat 360  
cattcatcat gtgctgtgtt gtataattgt atgtctgtgt tattgttata ctttcccaag 420  
taaagtttttt gtgttaaggac ttaacactgc tttgaatccc ctgtacctat tataactgctg 480  
tgtacaaagt aggagttcaa atacatgtga tcacaatagt cttccattca taactcatca 540  
gcagctcagt ctttctttagt tcttagtctca gttcattcag ccaaagctca tttttgtcct 600  
atccaaagta gaaagggttc ttttagaaaaa cttgaagaat gtgcctcctc ttagcatctg 660  
tttctgactc ccagttattt ttaaaataaa tgatgaataa aatgccaaaaa aaaaaaaaaaa 720  
aaaaaaaaaa gggccggcc 738

<210> 51  
<211> 617  
<212> DNA  
<213> Homo sapiens

<400> 51  
gaattcggca cgaggcggaa gatagattaa aatgtctcta cttctctttt taaaagttca 60  
tcttttttagc ctttctacaa ttttcaaaag aaataattag atggtcgtc taacattttat 120  
atgaagaaaa tagtttgaga caacctaaat atgtcaatac trgawtaatt attaaaataa 180  
wtcatggccc tgcataataa twgaataacta tggagtttg aagaaagcat gatgtagaat 240  
attnaattat atggaaaaat aatcagtaaa tctttttaaa acagaaggta aaactataaca 300  
tagttcaata tagtaaagag ggccgggcac agtgcacg cctgtatcc cagcactttg 360  
ggaggccaag acaggtggat cacctgaggt tggagttcc agactagcct ggccaacatg 420  
gctagtcctc actaaaaata caaaaatcag ccaggcatgg tagcaggcac ctgtatccca 480  
agctacttgg cagggaaaggc aggagaattt cctgaaccctt gaaggcagag gttgcgggtga 540  
gccaaaatca tggccactgca ctccagcctg ggcaccagag tgaaactctg tctcaaaaaa 600  
aaaaaaaaaa aactcgtca 617

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<210> 52
<211> 1448
<212> DNA
<213> Homo sapiens

<400> 52
ctcaggggta cagtaccaaa ccaagggttga tggtaccact taaaatggac tctatcacag 60
tgcacataag gaggcacaac ggacctatcg atgtctatt gtgtgaagtg gagcagggtc 120
agaccagtaa caaaaagggtct gaagggtgtcg ggacctcttc atctgagagc actcatccag 180
aaggccctga ggaagaagaa aatcctcagc aaagtgaaga attgcttga gtaagcaact 240
gatggcattt gagaatttat gtatcaactga gtttttggg aatatcttcg tggagaatta 300
cgcatcaaat ttgattctca gagcaataaa ttatccatga agtgcctcg ttctcagtag 360
cggtcatcatg gccagtagtg tctttgagga gttcaccact tagattactg agtaatttg 420
gtttccacat ttgaaaacaa ctcctttat aattattcac tgcttttg cagtgaataa 480
gacatcttgc ctccctgaagt agttcatca cagagtgtca tgaagacaga cagtcaggct 540
gaaatggaca gttctttgtg gactctaccc ttcccttcaa ggagttatgtc atatatcaca 600
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gatacttctt ggtttaagc tgtctaccta attgctgtct cccagcagac tggtggcatg 1020
cccagtggct ttgggggcaaa ggatagaaat gccatcagga aatagctgaa ttcatgtga 1080
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gactgtgagc tccttgaggg actttgtcat aatcaactgtt acatcccagt gcctcacacc 1380
atgcctggcc cttaagaagt gctcaataaa tgtctgaaca aataaaaaaaa aaaaaaaaaaa 1440
ggggggggcc

```

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<210> 53
<211> 485
<212> DNA
<213> Homo sapiens

<400> 53
gaattcgga cgagtaccct gttctaatac agttcagtgt gtcttataga aatcattta 60
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atgcaattaa atctaccctt ttctcaaat tttaaaaaca catgaataaa atatcttta 120
cttaaggcga aacacaaatg gagtggcgta ggctggcat ggtggctgac acctataatc 180
ccaacactgt gggaggccga ggcagggtgga tcacttgagc tcacaagttt cagagcccg 240
tgagcaacat ggcaaaaccc cgtctctaca aaagaataaa aaacttagcc aggcattgtt 300
gctactcagg gaggatggct tgagcctggg aggcagtggc tgcaatggc caagatcgca 360
ccactgcact ccagcctggg stataaagcc agaacttgc tcaaaaaaaaaaaaaaaa 420
ctcga 480

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<210> 54
<211> 1750
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (24)
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<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1287)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1392)
<223> n equals a,t,g, or c

<400> 54
agaaaagtcaa agctgtttgc aatnatataa attnctaatt tggaaatcat gacaaggagt      60
cttaagaaca aagttaaaat taaaaagtct ttatccaagt caccaatgaa acaggattct      120
gattcattaa tcatgtcttg cccactttt tcaacaaacc tgacgtccta taatgagcta      180
tacagtgtga ggcataatttc atagcaacgt tggttatttg ccaaggagac tctgccaccg      240
ttctggataa gctcatgttt ccctttcct tgctgctaa tagaagggca acttacagtg      300
cagggtcaag agcaagaagc tgggggagta gaggctatac atctagccta ataatagaga      360
tctgagggtgg tyaccaggag actacgttct tttgattcca ttccctcagca gcaaaagtac      420
ttgagttcaa atgataaaaac ttgaagggtt aggttggaa gaggatcagc tcagtatatac      480
cttccttgca taaatacaag ggaaaggcca aggaataatc agcattaacc tgccagggtcc      540
aagggtcttc tatccctgac ttcatctgag tcacaagatt tctctaataa gagaaacttt      600
gctactctga ggaaaattat cccttatggg agcccccaagt tcagaggtaa gaacagttct      660
ttcacgtgga ggtccaaaat tctggacttc tagaaacaag tgaagtgtgc taaagtctcc      720
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cgttcatatt cagacgata ctcccttca tattcttcgg cagcactggt aacttgcaca      1080
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ctcctggcaa      1750

<210> 55
<211> 975
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (970)
<223> n equals a,t,g, or c

```

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<220>
<221> misc_feature
<222> (973)
<223> n equals a,t,g, or c

<400> 55
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tgtgactttg caggaactga ggcattatat ctgaggacac cagggggaaa gtgtggcata
tcagggaaat acagccctgg gctgtgtcta cacacaccat gagagtgtg atgggggcgc
aatagtctt aaaaatgtata aagtgtccag gaatggaagt gctcttgc tcattatttt
tttcttcattt catattcccc tcccagagtc tccttatctag gacatcagca ttctcacaca
agcctaattgg cttatcttag taagcagggc ttagaaattc actttcttgc tactcagtt
tgcctctaa acactccttgc atcttcctta cctctccctt tttccacatg tctttcttgc
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gctttagggtt tttttttttt aattyttttt tttttttttt aaaaatttttca actgtgaaca
ccacaatgtt atagagcata ttaggttagta gccagcatga agggatgttt ttttccttgc
aaacagtgtn aangg

<210> 56
<211> 711
<212> DNA
<213> Homo sapiens

<400> 56
atagggcgat tgggtacggg ccccccctcg agttttttttt tttttttttt ttttagagaca
gagtccttgct ctgtcaccta ggctggagta cagtggcggtg atcatagctc actgttaacct
tgaactcctg ggcttgagca acccttcctgg cacaatctcc ttgaatgtat ggtcccaaga
gccagacaga acggacttcc tcccttatgc ctcataaagt tagagagaga agagctcaca
tcccccaat gcctatgaac acataactct actgattccctt gacctgaccc gccttggcct
caagagggcc aatgtcttcaat ttccttgagt tcaaatctttt ttccctgtat ttcttcaccc
gtgggggtcca cctctgtccc tctgactcac agaatgttgc tgccccccctc cttcttatgt
tagtccttca gaggtctgaa gacagaaagc atatcttccctt tgagtcttctt ctaagttgaa
tactcccaat cacccttcaac agagtagtgc agtgcaggaa aagtatagtt ttgtgatcag
agttgtattt aaaaatttttccat atcacaactt actaactaca tgacctagag tatgtttttt
cacctcacag aggcaggaggc attgttgggaa ttaaagcggcc tagccaggaa taggcctttag
tatgtgttca ataaaatgttca tttcttcaaga taacaatctc gtgcgaattt c

<210> 57
<211> 640
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (4)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (21)
<223> n equals a,t,g, or c

<400> 57
nggngtgacc tatanangta ncttcagta ccgtccggaa ttcccggtc gacccacgct
tccgaggaga tgcttcaaaa tgtcaattgc tttaaactta aattacctct caagagacca
aggtacattt acctcattgt gtatataatg ttatattt gtcagagcat tctccaggtt
tgcagttta ttctataaaa gtatgggtat tatgttgctc agttactcaa atggtactgt
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atgtccatat aaatttccat tgaagtcgaa tgatactgag aagcctgtaa agaggagaaa
aaaacataag ctgtgttcc ccataagttt tttaaattt tatattgtat ttgttagtaat
attccaaaag aatgtaaata gaaaaatagaa gagtgatgct tatgttaagt cctaacaacta
cagtagaaga atggaagcag tgcaaataaa ttacatttt cccaaaaaaaaaaaaaaaaaaaa
aaaaaagggc gggcgctcta gaggatccct cgagggggccc 60
120
180
240
300
360
420
480
540
600
640

<210> 58
<211> 1122
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (948)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1107)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1116)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1121)
<223> n equals a,t,g, or c

<400> 58

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ggcanagcta accgcagtct ctactacttc ctcttcgccc ccacccgtg ctacgagctc	60
aactttcccc gctctccccg catccggaag cgcttctgc tgcgacggat cttgagatg	120
ctgttcttca cccagctcca ggtgggctg atccagcagt ggtggtccc caccatccag	180
aactccatga agcccttcaa ggacatggac tactcaegca tcacgagcg cctctgaag	240
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ctgaatgccg tggctgagct catcagttt ggagacgggg agtttacccg ggactgggtgg	360
aactccgagt ctgtcaccta cttctggcag aactggaaaca tccctgtgca caagtgggtgc	420
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tggcctgggtt cgtggccgc ttttccagg gcaactatgg caacgcagct gtgtggctgt	720
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aaaaaaaaaaac tcgagggggg gcccgnacc caatngccc na	1122

<210> 59  
 <211> 793  
 <212> DNA  
 <213> Homo sapiens

<400> 59

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aataaccctc aattatgagg gcgtactttt cacttgaag aaaattgact tgcattaaag	120
tggctaacaa ttcttcctg ggcaggatgt aaaatttcc ttcctctaa taccagtact	180
tttgagctca cattctccca ctttcctct ttcaggtgg ttcacgtatt tgggatttt	240
tgaaacctca gaagcagaca tggtaacttt tcttatctt ttatccctg aggttagtc	300
ggggctctta agagattaca gttttaaaa cttggaaagt gacaccagag aggttagatct	360
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aaaaaaaaaaa aaa	793

<210> 60  
 <211> 600  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (547)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc\_feature  
 <222> (549)  
 <223> n equals a,t,g, or c

<400> 60  
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tgagggaata	acttgggttt	ctgtccctcg	tttttctcaa	tttcaatcca	tcttataaaat	120
cccagcaaaa	ttaattttcc	taaagacact	tttagaattt	ctgcaatagc	tccttggagat	180
caggatgcc	gggatattca	ttctgttcat	gacactagct	agcacattt	atcagcgctt	240
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ataacagata	cacttgggtc	aggcacggtg	gctcacgcct	gtaatcctaa	cactttggga	480
ggccaaggtg	ggtggtatcgc	atgagctcaa	gagttcaaga	ctagcccagg	caacaaagga	540
tcctgtntnt	acaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaggggcgcc	600

<210> 61  
<211> 689  
<212> DNA  
<213> *Homo sapien*

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<220>
<221> misc_feature
<222> (309)
<223> n equals a.t.q. or c
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<400> 61  
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cttagtaagc atcatgacat catatataat caacctatct ttcttcttac ctttggcaac 120  
tcggaaggtc agtgtaagc cttgtggta accctagtag tgacatccct tcttatgtct 180  
tagtaatcgt ctatcagaa aatatcatat aaaataaaca caaagtaaac ttttactta 240  
aaaagatctg tagatatttc actaactcta ttaatgctt ggtaatagct attaatcta 300  
taatcctgnc ctagatcaag ttttgggccc tcagtgttat tcattccttgc ggctaagagc 360  
cactgaaatg ggataattat tggtacagtt acttcctcct tttaaatggt ttctgttctg 420  
ccatttactc ttatggaa attgccttct tttaaaaagtt attcttaata ttgttaagcta 480  
tttggaaaata ggtgagccat aaaaataaaat attaataatg tattttctaat tatcttatct 540  
aacaaaaata ataataaaata tccacttttag aaaatttggaa aaatcatgaa ggtataaata 600  
ctaaaatcga aattctctat aagatcaata ttccagatttgc acctcaggca aacacagaaa 660  
ttaaaacttaa aaaaaaaaaa aqqqcqqcc 689

<210> 62  
<211> 676  
<212> DNA  
<213> *Homo sapiens*

```

<400> 62
gaattcgacatcgaggacgag gtaaaattat tagaatggag tatgtcatca ggtctttcc 60
tagtccttt ctgttcctcg tgtgtcttg taggtttctt tgatttccat tgttgggtgt 120
atattttgtt aaaaacgcgc tgactcacat cccatccaaa tccccagtgc cttcagatc 180
cttcacaaaat ttggcattca gcccaactcct tgccaattgc ttcccttcct ccaattccc 240
acatgtctcc ttccctacgcc atctgcttct cctcccttcc ttcgatttagt gctttcggt 300
gctttccaa tttctttcat tgttcaatgt ctttgcttc ctctttcccc tcctctcccc 360
tagagggaaat taacataactt aatacagctg atgtcataaaa gccccctttc cctaagaagt 420
taaatttctg tttctgcaaa ataaatatacat agctctgttg tgtgaaggc aaaggaaacc 480
tgagtagtaa acctgaaata gattttttg gggttcatct tacataaaagt gtcaatgcatt 540
attatgtatt ctatttattt tccaaaataa attttctatt tgggatttaa atatggtaag 600
tcaacacaac tttattgtac cagtcattgg attgaataaa tgactaaaa ataaaaaaaaa 660
aaaaaaaaaa actcqaa 676

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<210> 63  
<211> 660  
<212> DNA  
<213> *Homo sapiens*

<400> 63

gaattcggca	cgagcagagg	cccggtacct	ttaagctcta	cctcgccaaat	gccctctcg	60
ctagtaatcc	gtgcacacag	cctgctgttt	gccatgcaga	atgatggcct	caagttcatg	120
gaaatggtgc	tccatgtcct	tcaggcaagt	atagggtttc	tgttgcttat	ggtggatgt	180
ctcgagcatt	ttcttgccat	gctcattggc	aatgcagggg	ctccttgcc	actgctggat	240
gtgctgggga	aggatgttat	tgatgtggct	gaaagaagag	agagcaagaa	atgaaatggg	300
tagatgggga	catcagagga	atgagaaaaga	tgagctacca	aatggtgact	ctatagggta	360
ctgagtggtg	gatgagtgc	cgttggtaa	tgggtggttt	aacagtggac	gggtgggtgg	420
atgggtggag	gggcagggtgg	gtgagtggt	ataagggtgg	atgagcaggt	gggtgagtgg	480
ctatgagggt	gaatgagcag	gtggatgagt	ggctataagg	gtggatgagc	atcctgggt	540
atgtaatgtg	gatgggcagt	tcagtgagtg	ggtgactatg	acggtgatg	ggtgggtggc	600
tgagtggaaat	tacagatggc	atagatcaca	ccttactttt	cctttgtccc	ttaacctcg	660

<210> 64

<211> 735

<212> DNA

<213> Homo sapiens

<400> 64

gaattcggca	cgagcttctt	ataacctaatt	ctctgaagtg	atatcatcac	ttctgctata	60
tcctgttcat	tagatgtgag	tcaagtc	cagcccaactc	tcaaggaaag	gggtgtgaat	120
atcaggaagt	gggaaatcac	tgggttatac	ttagaggctg	ctaccataac	ggaggaatat	180
tggcatcttt	attttcatta	acctctaact	ggctttagtg	tcacattcta	caataaatgt	240
aggcaacaag	tcactgtggt	atgaacagca	cctgtggttt	tgttaaccagt	ataaaatcaga	300
tatttcttat	tattttatgg	tkgttgtaacc	tgcctctact	taccactact	ttggaaatat	360
gggagttatt	agmcctactg	cactagattt	tgttatttaa	tatataaaaa	gaaattcaca	420
ttactataca	acaacttaaa	aaatgcttgg	acaaaactat	tttatttcta	actttttgt	480
ttttgtttta	ttagatgtaa	aatattttc	ttagaggtga	tccacaggt	ttaccaaact	540
gttaaggcgt	ttgtgacaca	aaaatattaa	gaatccctaa	gcaagtgata	ttcaaagtgt	600
ggttctggga	acagcagcat	caacatcacc	tggaaactag	tctgaaacgc	aaattatcag	660
gaggttcctt	ccctgaccta	ctgagtcaga	aactctggcg	gagggacc	gcaatctgtt	720
caaatacacc	ctcga					735

<210> 65

<211> 570

<212> DNA

<213> Homo sapiens

<400> 65

aaacgacggc	cagtgaattt	taatacgact	cactataggc	cgaattgg	accggccccc	60
ccctcgagtt	gaatttagaga	aaacgacatg	gacacacgtg	gagtgg	ttt aaggagcgg	120
gagtttataa	ggcaagaagg	aagggagaag	acagaaggaa	gaagctc	cata	180
cagagggagg	ggggctccaa	agccaaaaga	ggaggtccc	aagtgc	actg	240
aagtatata	gcagaggctg	gaagggcga	tgtctgattt	acatagg	ggct	300
gtttgaccac	gcatgttatt	cacatagccc	actaaaaagc	tggctc	ccc acc	360
tttaatatgc	aaatgcaggg	agccatggat	gttctacaca	tgtgggata	tttgggat	420
ttctacacat	gtggggcggc	catgttgcca	ggaacatgt	aggcaagg	gt aagaaggc	480
tgggaattgc	catgttggtt	ggacc	cagtgtt	tcta	atggcc	540
tgctcgtgcc	gaattcctgc	agcccgggg				570

<210> 66

<211> 840

<212> DNA

<213> Homo sapiens

<220>

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<221> misc_feature
<222> (326)
<223> n equals a,t,g, or c

<400> 66
gaattcggca cgagctttt cattatctt accttaatct cttagccat gatttatgga      60
ctggaatggt gagtatatac agtgggcaaa aacaatcatt agaggctgtt aaggaacatt    120
tattgttat ttggctaccc gtctataaaa gtacacatga aggcctaat agcaaaat      180
caaattatca agtgccttaa agcagaaaat gtcatttgg tctcaaaact gcaccaact    240
tatataattg ccctttat tatccctagt ggcccgtgaa atttgcaaaa tagagcatca    300
aagcttgatt tacttacagt tgcacnttgg cgggatctt atgaatattg ttagtacta    360
atgctgagat ggaatcgtaa atgttatag tgagggactt acttagaaga gtggggagc    420
cagtaatgaa actgaatcaa ctgggttctt caagatggaa caatatggcc atattcttg    480
gcctaacatt ttgaaaaatt cttttatag tggaaatttta ttttaattc aggtcttagat    540
gaatacacat taagtttagt tttgcagaat cttttttttt ctgcctagct atcttattac    600
tttccaaggg ctttgagga gtaatttgg tccctggcaat ttcggattaa atcacacgt    660
ttcttcataa attgtcatct tcaaggtAAC actgagaact ggatctctga aatctcatgt    720
tttcgagatg attttatag ctgcagacct gtgggctgat tccagactga gagttgaagt    780
tttgcgtgca tcatcatgtg ccattaaatg aaaaaaaaaa aaaaaaaaaacy cgggggggggg    840

<210> 67
<211> 1323
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1086)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1087)
<223> n equals a,t,g, or c

<400> 67
gctgaagatg gggccctcg cacggcacgg tccatgtccc tcacgctggg aaagaatatg      60
cctcgccgga ggtcagcggt gctgtggtt ctaagtttaa tgccctgaat ctgcctggcc    120
aaactcccgag ctcatcatcc attccctcct taccagccct gtcggaatca cccaatggga    180
aaggcagccct acctgtcaact tcagcaactgc ctgcactttt ggaaaatggaa aagacaaaatg    240
gggaccggaga ttgtgaagcc tctgctccctg cgctgaccct gagctgcctg ggaggagctt    300
agtcaggaga ccaaggccag gatggaggaa gaagcctaca gcaaggattt ccaagaaggt    360
ytaaagaaga ccaaagaact tcaagacctg aaggaggagg aggaagaaca gaagagttag    420
agtcctgagg aacctgaaga ggtagaagaa actgaggaaag aggaaaaggg cccaaagaagc    480
agcaaacttgc aagaatttggt ccatttttca caagtcatgt atcccaaact gtgtcagcac    540
tggcaagtga tctggatgtat ggctgcagt gatgtggct tgactgttgc gctggggctc    600
tacaatttcccttataactcttgc tgcagagcag gctgtatgggc cccttggaaatccacttgc    660
tcggcagccccc cagggactcc ttgtggagct caggactccca gcatgagcag cctacagagc    720
agtaggaaac ctcacaccta gccagtgccc tgccttgaga cactcagact accaccctt    780
ccccaaatgtt aacgtcaggc ccaagtgtgg acacactgccc gcccatccca tcaggtcatg    840
aggaagggtt ctttaacac tggcacttc tggggagctt attcatacac agtacttgc    900
tggctttggaa ggtcaacaa aactggccctt gggaaagcatc cagtggatga agaagtccacc    960
ttcaccaagg aactctatttgc gaaaggaaagg ttcctgtccc ctagctcagg tggctgggg    1020
gaactaaaac accttcacttgc gtgggtgggg gtaaggagcgg gggcacgggg gaggaggagg    1080
tagggncag taaaaaaactt actctttttt ttcctctgt taattggta tcaggaagaa    1140
tttgcctaat gactaacacc ctaagcatca gacctggaaat ttggagttgc aaagtgcata    1200
tctccatttcccatctca tttcaataa cttcagccctc ccatttttc ctttggaaatg    1260
agagtttctt tttacagaag taggaaaggc ttctcagaaaa aaaaaaaaaa aaaaaaaaaact    1320
cga

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<210> 68
<211> 712
<212> DNA
<213> Homo sapiens

<400> 68
gaattcgca cgagacycc ctctccatgg gataccctgt gggcacttc agagtccca
ccagcaagaa ggctctctc caccagatgt gccccccgccc aacctggat gtctcagtct
ccagaactca gatgagccag ctccctgtg aagctgtaa aacatggtaac ttacaggat
aaggctcatg aagtggagag atgagaagac ttccggaca gattgtgtgg aggctgtcat
tctcctcgat acattgtgt gggagaagaa ggaggcattc catgttggct tcagtgaaga
acttcagtat ttccagaga gaagtactga gaagcttaaa gtattgaat gggaggagga
gaagcaaact acagctactt cagaggataa cactaaacac ctatccact ctgtatacac
tagaggtgct gttaattttc ttgtggagaa ggaactgtct ttagaaaaat atctcaaaaa
gccactgaag tagaaagttt cagcatgctg aagatggaa ttgagaagat agaaagttct
gggtccttag tggcatgact gagtcgctgg accactgttg gaaccaccct atgtcttagt
ttttaaatct ctttactgtc taagacattt ttatgtggaa tatttatctc tggcatccaa
taagacctt aaggattgc agtttaaaa aaaaaaaaaa aaaaaaactc ga 712

<210> 69
<211> 884
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (356)
<223> n equals a,t,g, or c

<400> 69
tcgaccacg cgtccgcccgg atggttgcca cccctctgc ttaggatgg aagcagccat
ggagtggag ggaggcgca taagacaccc ctccacagag ctggcatca tggagctg 60
gttctacctc ttctggctc ctgtttaa aggctggct gggagccctc ctttgggt 120
tcttcctt ctccaaacca cagaaaagac tgctttcaa agtggagggt ctcatgaaa 180
cacagctgcc aggagcccgag gcacaggctg gggccctggaaaaggaggg cacacaggag 240
gagggangga gctggtaggg gagatgtgg ctttaccta agtctcgaaa caagggngca 300
aatagaggcag aggccctctcc gttccaggcc cattttgac aratggccgg acggaaatgc 360
aatagaccag cctgcaaraaa aracatgtt ttgtatgaca ggcagtgtgg cgggtggaa 420
caagcacagg ctttggaaatc ccaatggact gaatcagaac cctaggcctg ccatctgtca 480
gccgggtgac ctgggtcaat tttagcttct aaaaagctca gtctcttat ctgaaaaatg 540
aggcttgc tacctgtttt gaagggttgc tgagaaaaatt aaagataagg gtatccaaa 600
tagtctacgg ccataccacc ctgaacgtgc ctaatctcg aagctaagca gggtcaggcc 660
tggtagtac ctggatgggg agagtatggaa aacacatccct gcccgcagtt ggagttggac 720
tctgtcttaa cagtagcgtg gcacacagaa ggcactcagt aaataactgt tgaataaaatg 780
aagttagcgat ttgggtgtgaa aaaaaaaaaa aaaaaaaaaa aaac 840
884

<210> 70
<211> 648
<212> DNA
<213> Homo sapiens

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<400> 70
gaattcgca cgaggcaata tttgcctcac ccaacacccac aaagattttc ttctgtttc      60
ttctagaact ttttagttt tagggtttat atttaggtct gtgatccatt ttaaatcaat      120
attagcatat gaggcaaat ggagatcgaa gtttttattt ttccttatga atacccagg      180
gttccaaacac cacttattaa aaacactata cttatccac tgagttgtt ttgtaccttc      240
atcaaaaacc agtttcaat atatctgtgg attaaatttt ttatTTTTT gtttatttt      300
agagacggtc tcactatgtt ttccaggctg gtctcaaact cttgtcctca agtgatcctc      360
ccatcttggc ctcttgatc gctgggagga tcaggcagga ggatttctg agcctggag      420
gttggggctg cagtggccg agattgtcc actgcacttc agccggca atagagttag      480
atcctatctc aaagaaaaaa agagttattt gtttatatct ttttaatcc attttctt      540
aacccttat atccttat ttaaactaga gttctgtca agtgcactcc agcctggta      600
caaagcaaga ctccgcctca aacacaaaaaa aaaaaaaaaa aaactcga      648

<210> 71
<211> 547
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (22)
<223> n equals a,t,g, or c

<400> 71
ggcncccccca aaaattcccc cnrggtttt ttttttttt tttgtttca agaagaaaaga      60
agcaatgcag caaagtggtg cagaacacag gagctggagc cattcagacc caagtccac      120
tcttgaccc tcggcacttcc tctacagtcc ttagcaatta cacctgccaa gcaccttccc      180
aatggacaga ctggcaggcc ctactccaa caggcatcca gactgagcat caccaaggat      240
gggacaaaca gaagcaatgc aagagaaat gcaacacga acatgcacca ctacaccaca      300
acctatggaa acaatcaggc aaaacaagac taggagacat atgacaagaa aacaggcctg      360
gacgcttcaa aaatgccaat gtcacgaaag aaaaaactg ggcatgctct tctggatcaa      420
aggagactaa agagatataa caaccaaaaca caataaaaact atcctagatt acatcctgga      480
ttttttaaaa gcaaaaaaga acaatttggt aacaactggg gaaagtgtt atgtggctac      540
attttaa      547

<210> 72
<211> 1025
<212> DNA
<213> Homo sapiens

<400> 72
tttttttttt tttttttttt tttttttttt tttttcaaa tccaaactttt atttattaaa      60
ttttttttttt aagactccac aaagggcatg atcccttcca ttccacaatg ttctctcccc      120
aagctccacgc ggcttaacc cttaacttgc gggcctttag acagcagggg acagaaaaagg      180
aggatccaaac gttacaggaa aggcaacga cggctttaaa agtcaactggg gttggagatg      240
ggagcatcca aagtcccagg gtgggggtgc gtggatgcac caccagatca gcttgggggc      300
ctctgtctc ctatctttt aagtttttc tcaggcttc taggcacccat atctagcata      360
gtgccttgca cagagtaggc actcaataca tacttgattt atttgaatct gatccttagag      420
aaagccttcc ccacccattt ttcaggaggt gcacccca accaatgtcc tctgtttaga      480
tgggcttccc caaagagcac atctaagatg gcagctgcaa gctctccata accatggcaa      540
caggggatta acctgatggg gtcatgggtt ctaagggggtt gggcagtgg ggaacctgct      600
ctgcagtc aaaggatggg gtacatttca gtccttctcc cctccatagg acttgagggtt      660
tcacagcttc tggctggggc tgggatatt agggatcccc ctaatcaaga gataccccat      720

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caactgttta gcagagatgt agctaaccga attttagatg acttcattac aagagaaacc	780
ctatcaactg agattctgtat gatagacatt ctattaacaa gatcttctcc actaacat	840
tgtctataca gagatgcatt tgactagaat ttcccttagca gaaatggatc cacttccctc	900
cccagctcac tctacctgac ccgtcatcat aacttacata aatagaattt ttactattca	960
ttactcctgg tacatagggg ttaaatatac aggcctgggg gcagctccc tgacccttc	1020
gtgcc	1025
<210> 73	
<211> 507	
<212> DNA	
<213> Homo sapiens	
<220>	
<221> misc_feature	
<222> (7)	
<223> n equals a,t,g, or c	
<220>	
<221> misc_feature	
<222> (10)	
<223> n equals a,t,g, or c	
<220>	
<221> misc_feature	
<222> (48)	
<223> n equals a,t,g, or c	
<400> 73	
ctcgaantttt ccccaactaag ggaacaaagc tggagctcca cgcggtnncg gcccgtcttar	60
aacttagtgg a tccccgggc tgcaggaattt cgccacgagc ttttccaaaaa tggctgtact	120
aatttacattt cccaccaaca atgttcaagg atttcatattt cttgacattt ttacccaaat	180
tgtcacagtt tgtaaaaaggt agtctaataa gtggcctaag tgaatgtgac aacacttcat	240
tgaaagcaat cttaggtttt tccaactata gtcataataa acttaattgtt acattctaa	300
ataactcaaa gagtgttaattt ggattgctt taactttaag gataaatgt tgaggggatg	360
gatgcctcat tctccatgtat gtgcattttt cacattgcat gcctgtatca aaacattaca	420
tttatcccat aatatacaca cttactatgtt acccccaaaa aataaacattt aaaaatataag	480
tttcaaaaaaa aaaaaaaaaaa aactcga	507
<210> 74	
<211> 736	
<212> DNA	
<213> Homo sapiens	
<400> 74	
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tgtatggtg caatctcgcc ctgggcgaca gagcgagact ccgtctcaaa aaaaaataaa	120
taaataaaaaat aaaattaaat taaaaaaaaaaa aaaaaaaaaagt ctgctttgaa aaccagtatc	180
catagacttc tggcagtcat ttctgggtt taattttggg tgcacaag gtttgggg	240
actggactta attttttcac atcgctctaa cttttgaaaaa cacagataca gtcctttgc	300
tgaataaaaaat gaaaactcga gcctaaattt aaaggcatag atatttcctg gacttccagg	360
acagtaatat catgtactac tttgtcaaaa aaattttctg gaggttttc tagaggaaga	420
aactaagata acaacaacaa aaaagacaaa tccaaatgca ttacttgaag agcgactact	480
catgtttcta gagaattttt tggcataact atgtcatggg gttatttcctt gggggcttca	540
gttctgttttc aagaattttctt tagtagttt ctactgaccc catctggtaa aattatagag	600
gaagttacag tcgttaaagc ttctgtcaac tgcattttcta aaaattttat gtaaaagagat	660
attttaagag aaataagaaa ataggagatc agggcaaatg aatctaaaga ttcttagctt	720
tactcgtgcc gaattc	736

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<210> 75
<211> 514
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (507)
<223> n equals a,t,g, or c

<400> 75
aggcagacgt agaactagt gatcccmgg gctgcaggaa ttcggcacga gccccagcta      60
ggaagaaaaga atggcactct tgggcttggc ccagaattag agttattaga gcaagagaga 120
gcttaggaag catgaggggca actatagtga ggccatttattt ccaggaggga gggttttggt 180
tgctggcgct tgtgtataaaa ggggcaagag cagctcctt ggactattcc tgggaggact 240
ctgatgcagg gcgtctgtt ctcccccttgg tcacctcctc cctgctcgct gacatctggg 300
gctttgaccc tttttttttt aatctacttt tgctaaatgt catttaataaa aaaaaaaagag 360
agagagagag aggtgtgagg gacaaaatgc aaacctattt cccttgccctc ataggcttct 420
gggatgtcat cacctccagt ttgttggttt ttttccaac tgttaataaa gcattgaaac 480
agtaaaaaaaaaaaaaaaa acaaaaanaaaa aaaa      514

<210> 76
<211> 1203
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1165)
<223> n equals a,t,g, or c

<400> 76
gtggactctg gctgtcctt ggtggttcc atgagcgtgg ccaagactgg gagcagactc      60
agaaaatcta caattgtcac gtgctgtga acagaaaaggg gcagtagtgg ccacttacag 120
gaagacacat ctgtgtacg tagagattcc agggcagggg ctatgtgtaa aagcaactct 180
accatgcctg ggcccagtct tgagtccacgt gtcagcacac cagcaggcaa gattggtcta 240
gctgtctgtat atgacatgcg gttccctgaa ctctctctgg cattggctca agctggagca 300
gagataactt cctatccctt agcttttggg tccattacag gcccagccca ctgggagggtg 360
ttgctgcggg cccgtgtat cgaacccag tgctatgttag tggcagcagc acagtgtgg 420
cgccaccatg agaagagagc aagttatggc cacagcatgg tggtagaccc ctggggaaaca 480
gtggtgccc gctgtctgtaa gggccaggc ctctgcctt cccgaataga cctcaactat 540
ctgcgacagt tgcggcgaca cctgcctgtt ttccagcacc gcaggcctga cctctatggc 600
aatctgggtc acccaactgtc ttaagacttg acttctgtgtaa gtttagaccc gcccctccca 660
ccccccaccc tccactatga gctagtgctc atgtgactt gaggcaggat ccaggcacag 720
ctccccctcac ttggagaacc ttgactctt tgatggaaaca cagatgggt gcttggggaa 780
gaaacttca cctgagctt acctgggtc agactgcagt ttcagaaagg tggaaattttt 840
tatagtctt ctttatttca tggaaacttga agttctgtgtt agggctgagc agcaactggc 900
ttgaaaata taataatcat aaagtctgtt tctggacatc gccttggga actagaagg 960
gagttggat tgcgttgcgtt ggactaaatc ccagttcttag acctcctggc tcattcaaca 1020
tgcctccctt cctaaataaa agtgcacac tcagtgcatc tcccaatccaa 1080
gcatgggat gggcgttagga gtggaggagg gggaaaggaa aaggaattac ttcacttaca 1140
cctatgtgc cctttggccca agccngaaga aagcaaaaggg gaaaaggggc tgcagggtac 1200
att      1203

<210> 77
<211> 512
<212> DNA

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<213> Homo sapiens

<220>
<221> misc_feature
<222> (483)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (487)
<223> n equals a,t,g, or c

<400> 77
gtggatcccc cgggctgcag gattcggcac gagtctgact ggaagggtg aggtgtgcag      60
ataattttac tttcaacta cagaaaagat gtatctgggt aaagaaaatc atgcatttaa      120
ctacatcaat gcagcctatg aacaatagcc tttgaccata actagatatc tcaccaacgt      180
ggcagctctt cctAACAAA agatcaaatac AAAACTCTAG tggcattttc ctatcaactca      240
cagaacaggc taagcttccc acctggagta gacccggagc ctagaactca taaaaatttt      300
taaaaaatcaa aaaaaacatg aaagtacaaa gtttctacaa aactcttatac ccttcctcgt      360
caatatttat gatggtggca ttagtgaatt ttactggaaa aaaaaattcc caaaactatc      420
cagctggrraa tataagctca ctccaaagg ataaaaacagt taagacgaga ttaggataaa      480
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<210> 78
<211> 687
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (57)
<223> n equals a,t,g, or c

<400> 78
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tgagccaaaga ttgtscacgc ctggggaca ggtgaggctc ttgtctcaaa aaaaaaagtc      180
cacatcttca tgaaccctca gactctggag ttgggtgtcg gcttttttag ccagctttg      240
tgggaattgc ctttgaccta ttaagaagg aaagtgggtt atggagtccc agccactcaa      300
gagactggat atcccccgag aatggcttgg gttaccagct atggaccctt ggaagatgaa      360
tctaattttt ctcactgggtt tttcttgca aattcatttt cttttatttt tctaataaca      420
ataaaactcta tttccatgt ttcaggggcc cctgggtaga cagacacagc ttgatttcag      480
agcagacata ggcgaagaaaa acatggcatt gagtgtgctg agtccagaca aatgttattt      540
atatacacat cccaaatttga agagaaaaatg tattttttt ggtttcaaac actgtatag      600
atataaagca aaaataaaaaa cctgttgc当地 agttcaaaaa aaaaaaaaaa aaaaaaaaaa      660
aaaaaaaaaa aaaaaaaaaa ggcggcc                                687

<210> 79
<211> 2232
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (715)
<223> n equals a,t,g, or c

<400> 79

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atcgaaaaat	tggccgcttgc	ctgatggact	ccaagtattt	caccctca	gctcggtgt	360
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cccagaaact	gggactgcag	tacatggagc	tcatccccaa	ggagaagcag	ccagtgcacag	540
gcacagaggg	tgctttacc	gccgcccaca	gctcatgcac	cagctccccaa	tctatgacca	600
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gcttgccaaag	gaggagggga	agcagcagga	aaagccagag	ggggcagaga	ccaytgctgy	780
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<210> 80  
 <211> 455  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (7)  
 <223> n equals a,t,g, or c

<400> 80						
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tatggaggg	ttgatgtac	cacttctaa	tgttatttt	tctgaaggaa	ctgtatgg	180
ggagatcatt	gtttctggaa	gacagtacta	ttagttat	agatgtttct	ttctgggtct	240
gaatgactaa	tcagtcatc	agtcaataac	actgaccacc	tactatatgg	tagtcattgt	300
tctaggtatt	gagcatgtaa	tggtggaaaga	taaatggcag	atgagaatcc	tgcatttata	360
accttaagtc	tgattggatc	gcgaaagaaa	tatagttat	aagcataatt	tttaggtatgt	420
attcatttcc	aaaaaaaaaa	aaaaaaaggc	cgccc			455

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<210> 81
<211> 524
<212> DNA
<213> Homo sapiens

<400> 81
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cagctgggtt tacattctca gctggacag cagaccctca ctgtgtatgt gtgcagccag      180
cagataacctg tgcacaggca cagaccacc aactcgtggg gacactcaa caccgcacaa      240
agccattttg ccactagacc catgccccca aattagcaga actgctcgtg ccgaattcct      300
gcagcccccggg ggatccacta gttctagagc ggcgcacc gcggtggagc tccagcttt      360
gttccctta gtgagggtta atttcgagct tggcgtaatc atggtcatag ctgtttcctg      420
tgtgaaattt ttatccgctc acaattccac acaacatacg agccgaaagc ataaagtgtta      480
aagcctgggg tgcctaatac tcacattaat tgcg      524

<210> 82
<211> 838
<212> DNA
<213> Homo sapiens

<400> 82
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tagacttggc actgggtaga aactagtaag gcatggcct tcttctacat agaatcttag      180
catttttagag atgagttccc agacatggtc cagaaggtca cagttcacac cattaggcaa      240
ggcagtattt gaaataaaaag tcatgtctaa tactaaatcc agtatgttct ctcccttcagg      300
attttactct cattgctgcc ccttggttt gtagtgcctt ccccgacacag ctgcacagct      360
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tttgggttta ttttcttta tagcacttac caactcccag tagaatgtaa actccagtag      540
ggcacatatac ttgccttctt ttatctactg ctctattccc agcaccagaa cagtccttgc      600
cacaatggtag gtgctcaata aacatttggt gaatgaatta acctagtgtt cttttacact      660
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<210> 83
<211> 559
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (35)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (42)
<223> n equals a,t,g, or c

<400> 83
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cacttgtacg ctgtAACCTC atctacttct gatgtttta aaaaatgact tttaacaagg      180
agagggaaaaa gaaacccact aaattttgc ttgtttcctt gaagaatgtg gcaacactgt      240
tttgtgattt tatttgtca ggtcatgcac acagtttga taaagggcag taacaagtat      300
tggggcctat ttttttttt tccacaaggc attctctaaa gctatgtgaa attttctctg      360
cacctctgtc cagagaatac acctgcccct gtatatcctt tttcccctc ccctccctcc      420
cagtggtaact tctactaaat tggtgtcttg ttttttattt tttaaataaaa ctgacaaatg      480
acaaaaaaaaa aaaaaaaaaa aactcgaggg ggggcccggt acccaattcg ccctatagtg      540
agtgcgtatta caattcact      559

<210> 84
<211> 1263
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1091)
<223> n equals a,t,g, or c

<400> 84
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atgaattaat aggttataa taaccattaa ctaagggaaag ccctagaaca agaaataagg      120
attttaatt gcatgcaaaa cctagttacc ataaaaacca atgcaataacc aaaatatctc      180
agttccctag catagactcc aggtctttc atttccaata cttggcagtc ataatatgtc      240
cacttcata tgcacctggt tggggggtaa taagctcatt cacataggac tacaatatac      300
tctcacaggt aggagggcac aaaagaacaa tatcttcctc cactttttg ggtccatctt      360
aaaaaaca aaggcactc ccaaaggttc cttggtaaca cctttgttag gtttcttaat      420
tactaacata atctttacat gtaaggtaa tggtccactc atttcataga tctggaaacc      480
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gtt      1263

<210> 85
<211> 515
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

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<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (20)
<223> n equals a,t,g, or c

<400> 85
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accaggcaact aatcacctgg tgaggatttg gcatatccac caaaaaatgc atccgattta      120
accaacatct ccaccagcgc tacggactcc tcccaattct gacatcttgc gtagacaata      180
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gttagagttc tagccatttt atttctccgc agggccttt ctcagacatt actgcattgt      360
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gtaatcaact cctgcctttt tattttcttg gtttatttac atgtcagaga catttataaaa      480
aagtgaaagg ataaaaaaaaaa aaaaaaaaaaa ctcga                                515

<210> 86
<211> 2476
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (853)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (2227)
<223> n equals a,t,g, or c

<400> 86
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tttggatggaa gtccttggtt acttattcatt actgtgtttc tgagaagttt taaatttgc      180
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<210> 87						
<211> 1722						
<212> DNA						
<213> Homo sapiens						
<220>						
<221> misc_feature						
<222> (2)						
<223> n equals a,t,g, or c						
<220>						
<221> misc_feature						
<222> (413)						
<223> n equals a,t,g, or c						
<400> 87						
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<210> 88

<211> 1128

<212> DNA

<213> Homo sapiens

<400> 88

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<210> 89

<211> 865

<212> DNA

<213> Homo sapiens

<400> 89

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tctatgttag agaaaaatc aaatagcaaa ggacactagc	cagaaaatac agtgtgtgt	360
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tcttttcgtt ccaactaaaaa caactgtaat gtacttgata	catttatatc aagttctaaa	600



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<222>	(556)					
<223>	n equals a,t,g, or c					
<400>	93					
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<210>	94
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<212>	DNA
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<400> 94
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caggatctgg ttaakgtgt cagctcagt gatttgagaa tattcacaga taagcaactc     180
agaaggatca tacttgtatt gtaggcctc agtattca gaaatagatc ttcttctgtg     240
attcaatagc cataatccaa attaaacatc tgctttcc aatgtgtatt tttgaatgta     300
tgtgtcattt cttcatagac atatcaaatac attactatgt ggtaagattt tatccagaag     360
attctctcc taaaacctt atatatgacc cttaaaaggc ataaaattat ttttaggtgtg     420
agtttttatt atgaataca aggatacagt cttaatttt ctaccttaa gtcgtgccc     480
aattcctgca gcccggggga tccact                                506

<210> 95
<211> 286
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (3)
<223> n equals a,t,g, or c

<400> 95
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cgtctatctg aactacaata actttctgct tartctactt aggctaattgt tgaacattt     120
ttcattcaca caaccactgg tggcagaaga agagagaccc ttacaccac tatagcatag     180
gagctgcaat gtcacatgag ttttaaaaaga tgctytttaa agaaaaaaaaaa aaacamgrag     240
sargaaaaaaaaaaaaaaa aaaaaaaaaaaa aaaaaaaaaaaa aaaggg                                286

<210> 96
<211> 858
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (843)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (847)
<223> n equals a,t,g, or c

<400> 96
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aaaccttgc tttccatatt gtgactccac taagcgggtt aaaaagttcag gacagagatg     180
gaaaggaaag aaggaaacag gaagaagtga aacttaggaag gtggtgccag tggcacatgg     240
atgaagaaag agagatcatc agccatggag aattttgtaa tgtaagttaga gagagagatt     300
ggtaggaag acaggctca cagttgttta agtgtaaaggg aactaccat cgtaccctgt     360
cattgactag ggctgtgagt tatgttagttc tgcctctct tgcaaaagac ttaccactc     420
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tacatca	taaacagcac	agccccagaa	gcatggaaag	gggagttatt	agtatggaaa	540
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<211> 747						
<212> DNA						
<213> Homo sapiens						
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aaattacagc	agcacattac	agtgcactgg	gttccctcct	ggagtgaata	caaacggagg	600
gcatctactt	gtat	tttag	aa	tttggg	agaatttagt	660
cctgttgact	ggtgtatgtc	tg	cgcaaa	ttttcaat	aaatctttt	720
aaaaaaaaaa	aaaaaaa	aactcga				747

<210> 98						
<211> 606						
<212> DNA						
<213> Homo sapiens						
<220>						
<221> misc_feature						
<222> (606)						
<223> n equals a,t,g, or c						
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tgtggtcatt	aaaaacccta	gtttaggata	acagg	ctgcatttct	tcaatcatga	240
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at	ttttttttt	ttttttttt	ttttttttt	ttttttttt	ttttttttt	360
ttttttttt	ttttttttt	ttttttttt	ttttttttt	ttttttttt	ttttttttt	420
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ttttttttt	ttttttttt	ttttttttt	ttttttttt	ttttttttt	ttttttttt	600
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<210> 99						
<211> 756						
<212> DNA						
<213> Homo sapiens						

<220>

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<221> misc_feature
<222> (354)
<223> n equals a,t,g, or c

<400> 99
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atgcactaga aataatacat taaactgact cttagtcctt atgtacgctt gctgtcttaa 180
atagggtat ttagtccaaac agactcaatc atacatgtca tacatgttta tgattaagag 240
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aatgtatcc cctgcccattt acaaaatagg atattccaaat gcgctatttgg aatcttaggg 660
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<210> 100
<211> 1061
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (460)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (473)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1048)
<223> n equals a,t,g, or c

<400> 100
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<210> 101	
<211> 776	
<212> DNA	
<213> Homo sapiens	
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<221> misc_feature	
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<222> (776)	
<223> n equals a,t,g, or c	
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<212> DNA	
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aagttttgc cattataatt ttgaccataa attaatttga ccattctct tattaataga	660
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<210> 103	

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<211> 687
<212> DNA
<213> Homo sapiens

<220>
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<222> (28)
<223> n equals a,t,g, or c

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<222> (657)
<223> n equals a,t,g, or c

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<221> misc_feature
<222> (660)
<223> n equals a,t,g, or c

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<221> misc_feature
<222> (664)
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<400> 103
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ttcggcacga gcagaaaaca acatgaaagc caagttccta gggaaatgcac cctgtggca      180
ctacacattc aagtcccccc aggcaatgcg gacagagaatg aacctcggag ccaagggttt      240
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agggggggcc cggtacccaa ttccgcctta tagtgagtcg tattacaatt cactggccgt      600
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<210> 104
<211> 804
<212> DNA
<213> Homo sapiens

<400> 104
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ttaaagtggc taacaattct ttccctggca ggatgtaaaa ttttcctctc ctctaataacc      180
agtactgttgcg agctcacatt ctcccaactt ttcccttttc aggtggttca cgtatgggg      240
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agtcctgggg ctcttaagag attacagttc taaaacctg gaaagtgaca ccagagaggt	360
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attaaatttt atttattttt tctttttct gtaaccttat atttgagggg aaaattttat	480
tttcaacttt tgcatatatc taatttaaca tttgggaaaa ctgtaaatgg gccaaagttt	540
ctccctttat atgattttcc agattttac cactttctta gtgcacttg atgctaggca	600
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catgtcttgg aattgagggt tagggttcc agaaggactt agttgtctg tgctttgtc	720
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<210> 105  
<211> 1065  
<212> DNA  
<213> Homo sapiens

<400> 105	
gaattcggca cgagagggtc agggaggctg ccccccaggcc tgtatattta acccctatgt	60
accaggagta atgaatagta ataattctat ttatgtaaat tatgtatgacg ggtcaggtag	120
agttagctgg ggagggaaat ggttcattt ctgctaaggaa aattcttagtc aaatgcacatct	180
ctgtatagac aaaatgttag tggagaagat cttgttaata gaatgtctat catcagaatc	240
tcagttgata gggtttctct tgaatgaag tctctacaaa ttgggttagc tacatctctg	300
ctaaacagtt gatggggatct ctcttgatta gggggatccc taatatcccc agccccagcc	360
agaagctgtg aaacctcaag tcctatggag gggagaaggaa ctggaatgta ccccatctyc	420
cttgactgma gaggcagggttc ctccactgccc ccacccctta gacaccatgm ccccatcagg	480
ttaatccccctt gttgccatgg ttatggagac ttgcagctgc catcttagat gtgctcttg	540
ggaaaggccca tctaacagga ggacattggg ttgggggtgc acctccctgaa gaatgggtgg	600
ggaaggcttt ctctaggatc agatccaat aaatcaagta tgtattgagt gcctactctg	660
tgcaaggcac tatgcttagat ctgggtccta gaagccctgaa gaaagaactt aaagagctag	720
gaggacagag gcccccaagc tgatctggg gtgcacccac gcaccccccac cctgggactt	780
tggatgctcc catctccacc tccagtgact tttaaagccg cttcgtgcct ttccctgttaac	840
gttggatcct cctttctgt cccctgtgt ctcaaggccc caagttaaag ggttaaagcc	900
gctggagctt gggagagagaa cattgtggaa tggagggat catgccctt gtggagctt	960
tttttttaa tttaataaaat aaaatgttggaa ttggaaaaaaa aaaaaaaaaaaa aaaaaaaaaaaa	1020
aaaaaaaaaaa ctcgcagggg gggccctac ccgaatcgcc ctatg	1065

<210> 106  
<211> 373  
<212> DNA  
<213> Homo sapiens

<400> 106	
ccacgcgtcc ggttcttga ttgcttcata agaaaccgggt gtattgctct gtgctgaggt	60
cttagatatg ttcttagcaact caggagtcca aaccattgtct tttgggttag aaatgcatga	120
aagaaacatg cacgtctatc tgaactacaa ataaactttc tgcttaagtc tacttaggct	180
aatgttggaa catttggta ttcaacacaa accacatggt ggcagaagaa gagagaccct	240
cattacacca catagtagca ataggagctg caatgtcaca atgagttta aaaagaatgc	300
ctctttaaaaa gaaaaaaaaa aacaagaaaag aaagaaaaaaaaa aaaaaaaaaaaa	360
aaaaaaaaaaa aaa	373

<210> 107  
<211> 687  
<212> DNA  
<213> Homo sapiens

<400> 107	
ccacgcgtcc gctcctgtga ggtatggtgc tgggtgcaga tgcagtgtgg ctctggatag	60
caccttatgg acagttgtgt ccccaaggaa ggatgagaat agctactgaa gtcctaaaga	120

gcaagcctaa	ctcaagccat	tggcacacag	gcattagaca	gaaagctgga	agttgaaatg	180
gtggagtcca	acttgcctgg	accagcttaa	tggttctgct	cctgtaacg	tttttatcca	240
tggatgactt	gcttggtaa	ggacatgaag	acagttcctg	tcataccctt	taaaggtatg	300
gagagtccgc	ttgactacac	tgtgtggagc	aagtttaaa	gaagcaaagg	actcagaatt	360
catgattgaa	gaaatgcagg	cagacctgtt	atcctaaact	agggtttta	atgaccacaa	420
caagcaagca	tgcagcttac	tgcttggaaag	ggtcttgct	cacccaagct	agagtgcagt	480
ggccttgaa	gcttactaca	gcctcaaact	tctgggctca	agtgatcctc	agcctccag	540
tggtcttgt	agactgcctg	atggagtctc	atggcacaag	aagattaaaa	cagtgtctcc	600
aattttaata	aatttttgca	atccaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	660
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	687

<210> 108  
 <211> 66  
 <212> PRT  
 <213> Homo sapiens

<400> 108  
 Met His Asn Leu Ile Ser Ser Ile Ile Ser Phe Leu Tyr Asn Phe Cys  
 1 5 10 15

Ala Leu Pro Leu Ala Ser Pro Gln Phe Thr Asn Glu Glu Ser Ser Tyr  
 20 25 30

Thr Ala Leu Arg Ser Cys Thr Arg Gly Gly Phe Glu Ser Arg Ser Leu  
 35 40 45

Gly Thr Gln Lys Ser Cys Thr Phe Gln Gly Lys Gly Asp Tyr His Val  
 50 55 60

Thr Ala  
 65

<210> 109  
 <211> 46  
 <212> PRT  
 <213> Homo sapiens

<400> 109  
 Met Ser Arg Thr Asn Thr Trp Val Ser Trp Gln Ala Ser Arg Ala Asp  
 1 5 10 15

Trp Pro Glu Thr Asp Pro Gln Glu Ala Leu Gln Pro Ala Leu Val Pro  
 20 25 30

Ser His Ser Asp Leu Asn Pro Gly Ser Ser Arg Ser Ala Val  
 35 40 45

<210> 110  
 <211> 457  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> MISC\_FEATURE  
 <222> (84)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> MISC\_FEATURE  
 <222> (169)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 110  
 Met Val Thr Cys Thr Cys Leu Pro Asp Tyr Glu Gly Asp Gly Trp Ser  
 1 5 10 15

Cys Arg Ala Arg Asn Pro Cys Thr Asp Gly His Arg Gly Gly Cys Ser  
 20 25 30

Glu His Ala Asn Cys Leu Ser Thr Gly Leu Asn Thr Arg Arg Cys Glu  
 35 40 45

Cys His Ala Gly Tyr Val Gly Asp Gly Leu Gln Cys Leu Glu Glu Ser  
 50 55 60

Glu Pro Pro Val Asp Arg Cys Leu Gly Gln Pro Pro Pro Cys His Ser  
 65 70 75 80

Asp Ala Met Xaa Thr Asp Leu His Phe Gln Glu Lys Arg Ala Gly Val  
 85 90 95

Phe His Leu Gln Ala Thr Ser Gly Pro Tyr Gly Leu Asn Phe Ser Glu  
 100 105 110

Ala Glu Ala Ala Cys Glu Ala Gln Gly Ala Val Leu Ala Ser Phe Pro  
 115 120 125

Gln Leu Ser Ala Ala Gln Gln Leu Gly Phe His Leu Cys Leu Met Gly  
 130 135 140

Trp Leu Ala Asn Gly Ser Thr Ala His Pro Val Val Phe Pro Val Ala  
 145 150 155 160

Asp Cys Gly Asn Gly Arg Val Gly Xaa Val Ser Leu Gly Ala Arg Lys  
 165 170 175

Asn Leu Ser Glu Arg Trp Asp Ala Tyr Cys Phe Arg Val Gln Asp Val  
 180 185 190

Ala Cys Arg Cys Arg Asn Gly Phe Val Gly Asp Gly Ile Ser Thr Cys  
 195 200 205

Asn Gly Lys Leu Leu Asp Val Leu Ala Ala Thr Ala Asn Phe Ser Thr  
 210 215 220

Phe Tyr Gly Met Leu Leu Gly Tyr Ala Asn Ala Thr Gln Arg Gly Leu  
 225 230 235 240

Asp Phe Leu Asp Phe Leu Asp Asp Glu Leu Thr Tyr Lys Thr Leu Phe  
 245 250 255

Val Pro Val Asn Glu Gly Phe Val Asp Asn Met Thr Leu Ser Gly Pro  
 260 265 270

Asp Leu Glu Leu His Ala Ser Asn Ala Thr Leu Leu Ser Ala Asn Ala  
 275 280 285

Ser Gln Gly Lys Leu Leu Pro Ala His Ser Gly Leu Ser Leu Ile Ile  
 290 295 300  
 Ser Asp Ala Gly Pro Asp Asn Ser Ser Trp Ala Pro Val Ala Pro Gly  
 305 310 315 320  
 Thr Val Val Val Ser Arg Ile Ile Val Trp Asp Ile Met Ala Phe Asn  
 325 330 335  
 Gly Ile Ile His Ala Leu Ala Ser Pro Leu Leu Ala Pro Pro Gln Pro  
 340 345 350  
 Gln Ala Val Leu Ala Pro Glu Ala Pro Pro Val Ala Ala Gly Val Gly  
 355 360 365  
 Ala Val Leu Ala Ala Gly Ala Leu Leu Gly Leu Val Ala Gly Ala Leu  
 370 375 380  
 Tyr Leu Arg Ala Arg Gly Lys Pro Met Gly Phe Gly Phe Ser Ala Phe  
 385 390 395 400  
 Gln Ala Glu Asp Asp Ala Asp Asp Asp Phe Ser Pro Trp Gln Glu Gly  
 405 410 415  
 Thr Asn Pro Thr Leu Val Ser Val Pro Asn Pro Val Phe Gly Ser Asp  
 420 425 430  
 Thr Phe Cys Glu Pro Phe Asp Asp Ser Leu Leu Glu Glu Asp Phe Pro  
 435 440 445  
 Asp Thr Gln Arg Ile Leu Thr Val Lys  
 450 455

<210> 111  
 <211> 59  
 <212> PRT  
 <213> Homo sapiens

<400> 111  
 Met Asn Ile Leu Met Phe Ala Phe Met Ile Ile Phe Met Gly Ala Lys  
 1 5 10 15

Phe Gln Glu Val Glu Phe Trp Val Arg Gly Tyr Asp His Leu Lys Ala  
 20 25 30

Thr Leu Phe Asp Gln Ile Gly Arg Tyr Leu Lys Met Gly Gly Gln Glu  
 35 40 45

Pro Leu Leu Ala Lys Val Trp Val Arg Gly Thr  
 50 55

<210> 112  
 <211> 105  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> MISC\_FEATURE

<222> (89)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 112

Met Gly Pro Ala Leu Met Val Ala Ser Leu Cys Leu Gly Gly Pro Ala  
1 5 10 15

Pro Ala Val Gly Ala Ile Thr Pro Ser Pro Phe Ile Thr Ser Leu Arg  
20 25 30

Trp Ala Pro Ser Pro Ala Gly Cys Leu Pro Ser Gly Asn Ser Arg Thr  
35 40 45

Leu Arg Asp Thr Arg Ala Ala Trp Pro Arg Gly Ala Thr Ala Arg Pro  
50 55 60

Pro Gly Gly Gln Pro Trp Arg Glu Leu Arg Pro Thr Tyr Ser Gly Val  
65 70 75 80

Trp Glu Pro Cys Leu Tyr Leu Gly Xaa Ser Pro Ser Gln Leu Pro Pro  
85 90 95

Cys Val Phe Pro Pro Ala Lys Val Gly  
100 105

<210> 113

<211> 97

<212> PRT

<213> Homo sapiens

<400> 113

Met Arg Asp Pro Leu Asn Arg Val Leu Ala Asn Leu Phe Leu Leu Ile  
1 5 10 15

Ser Ser Ile Leu Gly Ser Arg Thr Ala Gly Pro His Thr Gln Phe Val  
20 25 30

Gln Trp Phe Met Glu Glu Cys Val Asp Cys Leu Glu Gln Gly Arg  
35 40 45

Gly Ser Val Leu Gln Phe Met Pro Phe Thr Thr Val Ser Glu Leu Val  
50 55 60

Lys Val Ser Ala Met Ser Ser Pro Lys Val Val Leu Ala Ile Thr Asp  
65 70 75 80

Leu Ser Leu Pro Leu Gly Arg Gln Val Ala Ala Lys Ala Ile Ala Ala  
85 90 95

Leu

<210> 114

<211> 134

<212> PRT

<213> Homo sapiens

<400> 114

Met	Val	Glu	Asn	Ser	Pro	Ser	Pro	Leu	Pro	Glu	Arg	Ala	Ile	Tyr	Gly
1				5					10					15	
Phe	Val	Leu	Phe	Leu	Ser	Ser	Gln	Phe	Gly	Phe	Ile	Leu	Tyr	Leu	Val
				20				25					30		
Trp	Ala	Phe	Ile	Pro	Glu	Ser	Trp	Leu	Asn	Ser	Leu	Gly	Leu	Thr	Tyr
				35				40				45			
Trp	Pro	Gln	Lys	Tyr	Trp	Ala	Val	Ala	Leu	Pro	Val	Tyr	Leu	Leu	Ile
				50				55			60				
Ala	Ile	Val	Ile	Gly	Tyr	Val	Leu	Leu	Phe	Gly	Ile	Asn	Met	Met	Ser
				65				70			75			80	
Thr	Ser	Pro	Leu	Asp	Ser	Ile	His	Thr	Ile	Thr	Asp	Asn	Tyr	Ala	Lys
				85				90					95		
Asn	Gln	Gln	Gln	Lys	Lys	Tyr	Gln	Glu	Ala	Ile	Pro	Ala	Leu	Arg	
				100				105				110			
Asp	Ile	Ser	Ile	Ser	Glu	Val	Asn	Gln	Met	Phe	Phe	Leu	Ala	Ala	Lys
				115				120				125			
Glu	Leu	Tyr	Thr	Lys	Asn										
				130											

<210> 115

<211> 210

<212> PRT

<213> Homo sapiens

<220>

<221> MISC\_FEATURE

<222> (127)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 115

Met	Arg	Cys	Leu	Thr	Thr	Pro	Met	Leu	Leu	Arg	Ala	Leu	Ala	Gln	Ala
1				5				10				15			

Ala	Arg	Ala	Gly	Pro	Pro	Gly	Gly	Arg	Ser	Leu	His	Ser	Ser	Ala	Val
				20				25				30			

Ala	Ala	Thr	Tyr	Lys	Tyr	Val	Asn	Met	Gln	Asp	Pro	Glu	Met	Asp	Met
				35				40				45			

Lys	Ser	Val	Thr	Asp	Arg	Ala	Ala	Arg	Thr	Leu	Leu	Trp	Thr	Glu	Leu
				50				55			60				

Phe	Arg	Gly	Leu	Gly	Met	Thr	Leu	Ser	Tyr	Leu	Phe	Arg	Glu	Pro	Ala
					65			70			75		80		

Thr	Ile	Asn	Tyr	Pro	Phe	Glu	Lys	Gly	Pro	Leu	Ser	Pro	Arg	Phe	Arg
				85				90				95			

Gly	Glu	His	Ala	Leu	Arg	Arg	Tyr	Pro	Ser	Gly	Glu	Glu	Arg	Cys	Ile
				100				105				110			

Ala Cys Lys Leu Cys Glu Ala Ile Cys Pro Ala Gln Ala Ile Xaa Ile  
115 120 125

Glu Ala Glu Pro Arg Ala Asp Gly Ser Arg Arg Thr Thr Arg Tyr Asp  
130 135 140

Ile Asp Met Thr Lys Cys Ile Tyr Cys Gly Phe Cys Gln Glu Ala Cys  
145 150 155 160

Pro Val Asp Ala Ile Val Glu Gly Pro Asn Phe Glu Phe Ser Thr Glu  
165 170 175

Thr His Glu Glu Leu Leu Tyr Asn Lys Glu Lys Leu Leu Asn Asn Gly  
180 185 190

Asp Lys Trp Glu Ala Glu Ile Ala Ala Asn Ile Gln Ala Asp Tyr Leu  
195 200 205

Tyr Arg  
210

<210> 116

<211> 114

<212> PRT

<213> Homo sapiens

<220>

<221> MISC\_FEATURE

<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 116

Met Leu Pro Gly Leu Arg Arg Leu Leu Gln Ala Pro Ala Ser Ala Cys  
1 5 10 15

Leu Leu Leu Met Leu Leu Ala Leu Pro Leu Ala Ala Pro Ser Cys Pro  
20 25 30

Met Leu Cys Thr Cys Tyr Ser Ser Pro Pro Thr Val Lys Leu Pro Gly  
35 40 45

Gln Gln Leu Leu Cys Ala Ala Val Pro Ala Thr Gln His Ser Ala  
50 55 60

Thr Leu Pro Ala Glu Gln Pro His Pro His Ala Ala Xaa Arg His Leu  
65 70 75 80

Trp Val Gln Pro Ala His Pro Val Ala Leu Leu Gln Gln Pro Leu His  
85 90 95

His Leu Pro Gly His Phe Pro Pro Leu Ala Ser Pro Gly Gly Ser Gly  
100 105 110

Pro Arg

<210> 117

<211> 37

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<212> PRT
<213> Homo sapiens

<400> 117
Met Lys Gln Thr Arg Leu Asn Pro Pro Val Val Phe Ile Leu Leu Gln
 1           5           10           15

Pro Leu Ser Arg Pro Arg Asp Gly Leu Ser Asn Ser Val Val Leu Ile Ile
 20           25           30

Leu His Ser Val Pro
 35

<210> 118
<211> 72
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 118
Met Cys Gly Gly His Ala Ile Asn Val Gly Pro Phe Thr Val Ala Gly
 1           5           10           15

Arg Gly Arg Asn Leu Gln Phe Leu Arg Val Leu Leu Leu Arg Cys Pro
 20           25           30

Pro Val Leu Gly His Ser Cys Ser Xaa Pro Cys Pro Ala Trp Ser His
 35           40           45

Pro Pro Ser Ala Asn Arg Ser Leu Gly Arg Val Leu Trp Ala Leu Ile
 50           55           60

Arg Pro Trp Gln Gly Arg Ser Ser
 65           70

<210> 119
<211> 21
<212> PRT
<213> Homo sapiens

<400> 119
Met Gln Ile Ile Phe Leu Ala Val Thr Cys Ser Phe Thr Thr Ala Glu
 1           5           10           15

Ser Ala Val Ala Arg
 20

<210> 120
<211> 272
<212> PRT
<213> Homo sapiens

<220>

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<221> MISC_FEATURE
<222> (120)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> MISC_FEATURE
<222> (162)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> MISC_FEATURE
<222> (175)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> MISC_FEATURE
<222> (176)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> MISC_FEATURE
<222> (180)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 120
Met Ser Ala Leu Arg Arg Ser Gly Tyr Gly Pro Ser Asp Gly Pro Ser
 1           5           10          15

Tyr Gly Arg Tyr Tyr Gly Pro Gly Gly Asp Val Pro Val His Pro
 20           25           30

Pro Pro Pro Leu Tyr Pro Leu Arg Pro Glu Pro Pro Gln Pro Pro Ile
 35           40           45

Ser Trp Arg Val Arg Gly Gly Pro Ala Glu Thr Thr Trp Leu Gly
 50           55           60

Glu Gly Gly Gly Asp Gly Tyr Tyr Pro Ser Gly Gly Ala Trp Pro
 65           70           75           80

Glu Pro Gly Arg Ala Gly Gly Ser His Gln Ser Leu Asn Ser Tyr Thr
 85           90           95

Asn Gly Ala Tyr Gly Pro Thr Tyr Pro Pro Gly Pro Gly Ala Asn Thr
100          105          110

Ala Phe Ile Leu Arg Gly Leu Xaa Cys Thr Trp Leu Tyr Ser Asp Gln
115          120          125

Leu Leu His Arg Ile Pro Ser Thr Tyr Arg Ser Ser Gly Asn Ser Pro
130          135          140

Thr Pro Val Ser Arg Trp Ile Tyr Pro Gln Gln Asp Cys Gln Thr Glu
145          150          155          160

Ala Xaa Pro Leu Arg Gly Lys Val Pro Gly Tyr Pro Pro Ser Xaa Xaa
165          170          175

Pro Gly Met Xaa Leu Pro His Tyr Pro Tyr Gly Asp Gly Asn Arg Ser
180          185          190

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Val	Pro	Gln	Ser	Gly	Pro	Thr	Val	Arg	Pro	Gln	Glu	Asp	Ala	Trp	Ala
195							200						205		
Ser	Pro	Gly	Ala	Tyr	Gly	Met	Gly	Gly	Arg	Tyr	Pro	Trp	Pro	Ser	Ser
210						215						220			
Ala	Pro	Ser	Ala	Pro	Pro	Gly	Asn	Leu	Tyr	Met	Thr	Glu	Val	Leu	His
225						230				235			240		
His	Gly	Leu	Ala	Val	Ala	Leu	Pro	Ser	His	Pro	Leu	His	Pro	Gln	Ser
						245				250			255		
Ser	Ser	Pro	Arg	Ile	Leu	His	Thr	Pro	Ile	Ala	Asn	Gln	Ile	Lys	Ala
						260				265			270		

<210> 121

<211> 30

<212> PRT

<213> Homo sapiens

<400> 121

Met	Val	Leu	Pro	Arg	Ile	Leu	Val	Leu	Met	Leu	Phe	Leu	Ala	Leu	Lys
1					5				10				15		

Asn	Pro	Val	Gly	Glu	Met	Arg	Asn	Leu	Thr	His	Cys	Arg	Cys		
					20			25				30			

<210> 122

<211> 24

<212> PRT

<213> Homo sapiens

<400> 122

Met	Gln	Gly	Ser	Pro	Leu	Val	Thr	Ala	Ile	Tyr	Lys	Ile	Phe	Leu	Leu
1					5				10			15			

Ser	Leu	Leu	Val	Arg	Gly	Ile	Cys								
					20										

<210> 123

<211> 73

<212> PRT

<213> Homo sapiens

<400> 123

Met	Arg	Leu	Gln	Pro	Asp	Ile	Cys	Asn	Leu	Pro	Thr	Asn	Pro	Leu	Ser
1					5				10				15		

Leu	Lys	Leu	Gly	Leu	Met	Leu	Leu	Ser	Leu	Thr	Leu	Cys	Leu	Glu	Lys
					20			25				30			

Thr	Val	Gln	Gly	Leu	Lys	Leu	Gly	Leu	Cys	Leu	Phe	Lys	Leu	Ser	Phe
					35			40			45				

Ser Glu His Met Val Cys Pro Thr His Pro Gln Ser Ile Arg Trp Phe  
50 55 60

Tyr Phe Met Phe Arg Leu Gln Cys Cys  
65 70

<210> 124  
<211> 312  
<212> PRT  
<213> Homo sapiens

<400> 124  
Met Ala Ala Gly Val Asp Cys Gly Asp Gly Val Gly Ala Arg Gln His  
1 5 10 15

Val Phe Leu Val Ser Glu Tyr Leu Lys Asp Ala Ser Lys Lys Met Lys  
20 25 30

Asn Gly Leu Met Phe Val Lys Leu Val Asn Pro Cys Ser Gly Glu Gly  
35 40 45

Ala Ile Tyr Leu Phe Asn Met Cys Leu Gln Gln Leu Phe Glu Val Lys  
50 55 60

Val Phe Lys Glu Lys His His Ser Trp Phe Ile Asn Gln Ser Val Gln  
65 70 75 80

Ser Gly Gly Leu Leu His Phe Ala Thr Pro Val Asp Pro Leu Phe Leu  
85 90 95

Leu Leu His Tyr Leu Ile Lys Ala Asp Lys Glu Gly Lys Phe Gln Pro  
100 105 110

Leu Asp Gln Val Val Asp Asn Val Phe Pro Asn Cys Ile Leu Leu  
115 120 125

Leu Lys Leu Pro Gly Leu Glu Lys Leu Leu His His Val Thr Glu Glu  
130 135 140

Lys Gly Asn Pro Glu Ile Asp Asn Lys Lys Tyr Tyr Lys Tyr Ser Lys  
145 150 155 160

Glu Lys Thr Leu Lys Trp Leu Glu Lys Lys Val Asn Gln Thr Val Ala  
165 170 175

Ala Leu Lys Thr Asn Asn Val Asn Val Ser Ser Arg Val Gln Ser Thr  
180 185 190

Ala Phe Phe Ser Gly Asp Gln Ala Ser Thr Asp Lys Glu Glu Asp Tyr  
195 200 205

Ile Arg Tyr Ala His Gly Leu Ile Ser Asp Tyr Ile Pro Lys Glu Leu  
210 215 220

Ser Asp Asp Leu Ser Lys Tyr Leu Lys Leu Pro Glu Pro Ser Ala Ser  
225 230 235 240

Leu Pro Asn Pro Pro Ser Lys Lys Ile Lys Leu Ser Asp Glu Pro Val

245	250	255
Glu Ala Lys Glu Asp Tyr Thr Lys Phe Asn Thr Lys Asp Leu Lys Thr 260	265	270
Glu Lys Lys Asn Ser Lys Met Thr Ala Ala Gln Lys Ala Leu Ala Lys 275	280	285
Val Asp Lys Ser Gly Met Lys Ser Ile Asp Thr Phe Phe Gly Val Lys 290	295	300
Asn Lys Lys Lys Ile Gly Lys Val 305	310	
<210> 125		
<211> 103		
<212> PRT		
<213> Homo sapiens		
<220>		
<221> MISC_FEATURE		
<222> (51)		
<223> Xaa equals any of the naturally occurring L-amino acids		
<400> 125		
Met Cys Ala Asp Asp Leu Leu Ser Val Leu Leu Tyr Leu Leu Val Lys 1	5	10
		15
Thr Glu Ile Pro Asn Trp Met Ala Asn Leu Ser Tyr Ile Lys Asn Phe 20	25	30
Arg Phe Ser Ser Leu Ala Lys Asp Glu Leu Gly Ile Leu Pro Asp Leu 35	40	45
Ile Arg Xaa Cys Pro Leu Asn Ile Arg Gln Gly Ser Leu Ser Ala Lys 50	55	60
Pro Pro Glu Ser Glu Gly Phe Gly Asp Arg Leu Phe Leu Lys Gln Arg 65	70	75
		80
Met Ser Leu Leu Ser Gln Met Thr Ser Ser Pro Thr Asp Cys Leu Phe 85	90	95
Lys Ala Asp Ala Leu Leu Glu 100		
<210> 126		
<211> 210		
<212> PRT		
<213> Homo sapiens		
<400> 126		
Met Ala Ser Leu Leu Gln Gln Ile Glu Ile Glu Arg Ser Leu Tyr Ser 1	5	10
		15
Asp His Glu Leu Arg Ala Leu Asp Glu Asn Gln Arg Leu Ala Lys Lys 20	25	30

Lys Ala Asp Leu His Asp Glu Glu Asp Glu Gln Asp Ile Leu Leu Ala  
 35 40 45  
 Gln Asp Leu Glu Asp Met Trp Glu Gln Lys Phe Leu Gln Phe Lys Leu  
 50 55 60  
 Gly Ala Arg Ile Thr Glu Ala Asp Glu Lys Asn Asp Arg Thr Ser Leu  
 65 70 75 80  
 Asn Arg Lys Leu Asp Arg Asn Leu Val Leu Leu Val Arg Glu Lys Phe  
 85 90 95  
 Gly Asp Gln Asp Val Trp Ile Leu Pro Gln Ala Glu Trp Gln Pro Gly  
 100 105 110  
 Glu Thr Leu Arg Gly Thr Ala Glu Arg Thr Leu Ala Thr Leu Ser Glu  
 115 120 125  
 Asn Asn Met Glu Ala Lys Phe Leu Gly Asn Ala Pro Cys Gly His Tyr  
 130 135 140  
 Thr Phe Lys Phe Pro Gln Ala Met Arg Thr Glu Ser Asn Leu Gly Ala  
 145 150 155 160  
 Lys Val Phe Phe Phe Lys Ala Leu Leu Leu Thr Gly Asp Phe Ser Gln  
 165 170 175  
 Ala Gly Asn Lys Gly His His Val Trp Val Thr Lys Asp Glu Leu Gly  
 180 185 190  
 Asp Tyr Leu Lys Pro Lys Tyr Leu Ala Gln Val Arg Arg Phe Val Ser  
 195 200 205  
 Asp Leu  
 210

<210> 127  
 <211> 45  
 <212> PRT  
 <213> Homo sapiens

<400> 127  
 Met Gly Gly Thr Glu Ser Tyr Ile Ser Ser Ser Pro Leu Leu Arg Thr  
 1 5 10 15  
 Leu Leu Leu Ser Tyr Leu Val Phe Leu Tyr Tyr Leu Tyr Leu Leu Phe  
 20 25 30  
 Tyr Val Ala Arg Ser Pro Phe Gly Lys Ala Glu Tyr Lys  
 35 40 45

<210> 128  
 <211> 87  
 <212> PRT  
 <213> Homo sapiens

<400> 128  
 Met Ala Ala Gly Trp Val Arg Ser Trp Val Val Tyr Phe Leu Val Thr

1	5	10	15												
Leu	Leu	Gly	Ser	Ser	Pro	Ser	Pro	Val	Ser	Leu	Thr	Glu	Gly	Lys	Lys
			20					25				30			
Ile	Pro	Lys	Gly	Thr	Ala	Thr	Val	Leu	Gly	Gly	Ala	Leu	Asp	Cys	Val
		35					40					45			
His	Leu	Asn	Phe	Gly	Pro	Ser	Phe	Asp	Val	Trp	Phe	Val	Ser	His	Lys
		50				55					60				
Glu	Lys	Tyr	Leu	Lys	Val	Asn	Met	Met	Leu	Leu	Ala	Tyr	Tyr	Pro	Asp
	65			70					75				80		
Tyr	Cys	Met	Lys	Leu	Cys	Leu									
			85												

<210> 129

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> MISC\_FEATURE

<222> (81)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 129

Met	Asn	Gln	Arg	Tyr	Arg	His	Lys	Ile	Lys	Asn	Tyr	Lys	Thr	Ile	His
1				5				10					15		

Tyr	Ala	Tyr	Asp	Ser	Cys	Asn	Asn	Lys	Lys	Val	Gln	Gly	Thr	Ile	Ile
		20						25					30		

Ser	Tyr	Asn	Arg	Gly	Ile	Thr	Ser	His	Arg	Glu	Gln	Gln	Tyr	His	Ile
		35					40					45			

Ala	Gly	Ile	Tyr	Thr	Arg	Ile	Leu	Gly	Asn	Leu	Val	Trp	Ile	Tyr	Thr
		50				55						60			

Arg	Ile	Pro	Gly	Asp	Pro	Val	Trp	Leu	Val	Arg	Gly	Phe	Pro	Glu	Lys
	65				70					75			80		

Xaa Ile Ser Glu Ser

85

<210> 130

<211> 69

<212> PRT

<213> Homo sapiens

<400> 130

Met	Leu	Gly	Phe	Ala	Phe	Arg	Asp	Lys	Arg	Trp	Trp	Ile	Tyr	Phe	Ala
1				5					10				15		

Cys	Ser	Lys	Asp	Ser	Gln	Gly	Val	Arg	Ala	Ala	Tyr	Cys	Gln	Ile	Leu
		20					25					30			

Leu Leu Phe Tyr Val Ser Val Tyr Ser Leu Ser Phe Ser Tyr Leu Leu  
35 40 45

Asp His Phe Cys Ser Leu Pro Lys Pro Leu Leu Phe Gly Thr Val Ser  
50 55 60

Gln Ile Pro His Phe  
65

<210> 131

<211> 51

<212> PRT

<213> Homo sapiens

<400> 131

Met Cys Ser Tyr Cys Met Pro Tyr Leu Ile Ile Phe Leu Ser Val Ile  
1 5 10 15

His Asn His Lys Thr Ile Pro Leu Leu Lys Val Leu Val Asp Lys Leu  
20 25 30

Asn Cys Ile Ile Thr Asp Leu Cys Ile Ser Arg Asp Asp Val Phe Pro  
35 40 45

Thr Thr Cys  
50

<210> 132

<211> 97

<212> PRT

<213> Homo sapiens

<400> 132

Met Arg Pro Leu Leu Cys Ala Leu Thr Gly Leu Ala Leu Leu Arg Ala  
1 5 10 15

Ala Gly Ser Leu Ala Ala Ala Glu Pro Phe Ser Pro Pro Arg Gly Asp  
20 25 30

Ser Ala Gln Ser Thr Ala Cys Asp Arg His Met Ala Val Gln Arg Arg  
35 40 45

Leu Asp Val Met Glu Glu Met Val Glu Lys Thr Val Asp His Leu Gly  
50 55 60

Thr Glu Val Lys Gly Leu Leu Gly Leu Leu Glu Glu Leu Ala Trp Asn  
65 70 75 80

Leu Pro Pro Gly Pro Phe Ser Pro Ala Pro Asp Leu Leu Gly Asp Gly  
85 90 95

Phe

<210> 133

<211> 29

<212> PRT

<213> Homo sapiens

<400> 133

Met Ser Ile Thr Leu Ile Gln Leu Met Phe Tyr Phe Asn Thr Pro Glu  
1 5 10 15

Leu Pro His Lys Thr Ser Phe His Val Lys Gly Ser Arg  
20 25

<210> 134

<211> 45

<212> PRT

<213> Homo sapiens

<400> 134

Met Gly Ser Val Trp Asn Cys Leu Leu Ala Leu Leu Glu Lys His Leu  
1 5 10 15

Ile Thr Leu Tyr Lys Leu Ile Ile Thr Val Leu Leu Asp Leu Leu Ser  
20 25 30

Ala Arg His Lys Cys Phe Thr Ser Val Asn Ser Phe Asn  
35 40 45

<210> 135

<211> 64

<212> PRT

<213> Homo sapiens

<400> 135

Met Thr Lys Glu Asp Lys Ala Ser Ser Glu Ser Leu Arg Leu Ile Leu  
1 5 10 15

Val Val Phe Leu Gly Gly Cys Thr Phe Ser Glu Ile Ser Ala Leu Arg  
20 25 30

Phe Leu Gly Arg Glu Lys Gly Tyr Arg Phe Ile Phe Leu Thr Thr Ala  
35 40 45

Val Thr Asn Ser Ala Arg Leu Met Glu Ala Met Ser Glu Val Lys Ala  
50 55 60

<210> 136

<211> 227

<212> PRT

<213> Homo sapiens

<400> 136

Met Asp Phe Glu Asn Leu Phe Ser Lys Pro Pro Asn Pro Ala Leu Gly  
1 5 10 15

Lys Thr Ala Thr Asp Ser Asp Glu Arg Ile Asp Asp Glu Ile Asp Thr  
20 25 30

Glu Val Glu Glu Thr Gln Glu Glu Lys Ile Lys Leu Glu Cys Glu Gln  
                  35                 40                 45

Ile Pro Lys Lys Phe Arg His Ser Ala Ile Ser Pro Lys Ser Ser Leu  
                  50                 55                 60

His Arg Lys Ser Arg Ser Lys Asp Tyr Asp Val Tyr Ser Asp Asn Asp  
                  65                 70                 75                 80

Ile Cys Ser Gln Glu Ser Glu Asp Asn Phe Ala Lys Glu Leu Gln Gln  
                  85                 90                 95

Tyr Ile Gln Ala Arg Glu Met Ala Asn Ala Ala Gln Pro Glu Glu Ser  
                  100                 105                 110

Thr Lys Lys Glu Gly Val Lys Asp Thr Pro Gln Ala Ala Lys Gln Lys  
                  115                 120                 125

Asn Lys Asn Leu Lys Ala Gly His Lys Asn Gly Lys Gln Lys Lys Met  
                  130                 135                 140

Lys Arg Lys Trp Pro Gly Pro Gly Asn Lys Gly Ser Asn Ala Leu Leu  
                  145                 150                 155                 160

Arg Asn Ser Gly Ser Gln Glu Glu Asp Gly Lys Pro Lys Glu Lys Gln  
                  165                 170                 175

Gln His Leu Ser Gln Ala Phe Ile Asn Gln His Thr Val Glu Arg Lys  
                  180                 185                 190

Gly Lys Gln Ile Cys Lys Tyr Phe Leu Glu Arg Lys Cys Ile Lys Gly  
                  195                 200                 205

Asp Gln Cys Lys Phe Asp His Asp Ala Glu Ile Glu Lys Lys Lys Lys  
                  210                 215                 220

Lys Thr Arg  
                  225

<210> 137  
 <211> 25  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> MISC\_FEATURE  
 <222> (21)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 137  
 Met Lys Leu Ile Tyr Tyr Cys His Leu Val Asp Ile Leu Leu Gln  
          1                 5                 10                 15

Ala Ile Ile Lys Xaa Asn Ala Gly Met  
          20                 25

<210> 138  
 <211> 132

<212> PRT

<213> Homo sapiens

<400> 138

Met Ile Glu Cys Pro Asp Trp Ala Arg Thr Ala Ser Leu Ala Lys Gln  
1 5 10 15

Arg Arg Lys Val Phe Lys Gln Met Leu Ser Ser Phe Leu His Phe His  
20 25 30

Phe Asn Ser Met Met Pro Leu Cys Pro Ser Asp Asp Ile Ser Pro Gly  
35 40 45

Val Trp Asp Ser Ala Gly Leu Pro Cys Leu Leu Arg Arg Leu Pro Gly  
50 55 60

His His Gln Ala Gly Lys Pro Gln Ser Pro Pro Ser Ser Thr Trp Asp  
65 70 75 80

Pro Trp Ala Ser Ser Ile Ser Leu Thr Arg Lys Pro Val Leu Leu Leu  
85 90 95

Ile Leu Gly Pro His Pro Arg Pro Ile Gln Arg Lys Thr Pro Gly Ala  
100 105 110

Ala Leu Gly Ser Leu Cys Phe His Gln Ile Cys Val Lys Thr Gln Met  
115 120 125

Asn Gln Pro Arg

130

<210> 139

<211> 75

<212> PRT

<213> Homo sapiens

<400> 139

Met Phe Tyr Val Tyr Asp His Ser Met Tyr Val Asp Thr His Thr His  
1 5 10 15

Thr His Val Pro Ser Leu Tyr Thr Asn Gly Asn Ile Leu Lys Ile Leu  
20 25 30

Phe Cys Thr Phe Thr Val Gln Val Pro Tyr Ser Pro Leu Ser Thr Trp  
35 40 45

Gln Arg Pro Lys Pro Val Lys Gly Arg Val Ser Thr Trp Pro Pro Ser  
50 55 60

Ser Met Ser Ser Ala Arg Ser Pro Gln Gly Pro  
65 70 75

<210> 140

<211> 54

<212> PRT

<213> Homo sapiens

<220>

<221> MISC\_FEATURE  
 <222> (38)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 140  
 Met Pro His Ile Phe Val Ser Gly Asn Phe Ser Leu Leu Ala Leu Phe  
 1 5 10 15

Leu Leu Ser Ala Asn Phe Ile Val Glu Val Gln Ser Trp Leu Leu Leu  
 20 25 30

Leu Leu Phe Phe Ile Xaa Leu Gly Arg Ser Tyr Asn Phe Tyr Leu Leu  
 35 40 45

Cys Asp Ser Ile Ile Phe  
 50

<210> 141  
 <211> 67  
 <212> PRT  
 <213> Homo sapiens

<400> 141  
 Met Lys Leu Leu Leu Leu Thr Leu Thr Val Leu Leu Leu Ser Gln  
 1 5 10 15

Leu Thr Pro Gly Gly Thr Gln Arg Cys Trp Asn Leu Tyr Gly Lys Cys  
 20 25 30

Arg Tyr Arg Cys Ser Lys Lys Glu Arg Val Tyr Val Tyr Cys Ile Asn  
 35 40 45

Asn Lys Met Cys Cys Val Lys Pro Lys Tyr Gln Pro Lys Glu Arg Trp  
 50 55 60

Trp Pro Phe  
 65

<210> 142  
 <211> 55  
 <212> PRT  
 <213> Homo sapiens

<400> 142  
 Met Val Lys Leu Ser Lys Glu Ala Lys Gln Arg Leu Gln Gln Leu Phe  
 1 5 10 15

Lys Gly Ser Gln Phe Ala Ile Arg Trp Gly Phe Ile Pro Leu Val Ile  
 20 25 30

Tyr Leu Gly Phe Lys Arg Gly Ala Asp Pro Gly Met Pro Glu Pro Thr  
 35 40 45

Val Leu Ser Leu Leu Trp Gly  
 50 55

<210> 143

<211> 75  
 <212> PRT  
 <213> Homo sapiens

<400> 143  
 Met Ala Arg Ile Thr Gly Pro Pro Glu Arg Asp Asp Pro Tyr Pro Val  
 1 5 10 15

Leu Phe Arg Tyr Leu His Ser His His Phe Leu Glu Leu Val Thr Leu  
 20 25 30

Leu Leu Ser Ile Pro Val Thr Ser Ala His Pro Gly Val Leu Gln Ala  
 35 40 45

Thr Lys Asp Val Leu Lys Phe Leu Ala Gln Ser Gln Lys Gly Leu Leu  
 50 55 60

Phe Phe Met Ser Glu Tyr Glu Ala Thr Ile Tyr  
 65 70 75

<210> 144  
 <211> 35  
 <212> PRT  
 <213> Homo sapiens

<400> 144  
 Met Leu Phe Gln Cys Gln Val Leu Leu Ser Ile Phe Ser Phe Leu Glu  
 1 5 10 15

Pro Val Leu Ser Ser Gly Ser Ser Arg Leu Val Phe Tyr Asn Leu Ser  
 20 25 30

Asn Ile Met  
 35

<210> 145  
 <211> 31  
 <212> PRT  
 <213> Homo sapiens

<400> 145  
 Met Ala Leu Leu Val Leu Thr Leu Tyr Cys Ile Leu Phe Leu Lys Ile  
 1 5 10 15

Tyr Met Pro Val Pro Ser His Cys Glu Gln Phe Lys Gly Arg Asn  
 20 25 30

<210> 146  
 <211> 73  
 <212> PRT  
 <213> Homo sapiens

<400> 146  
 Met Thr Thr Leu Phe Glu Thr Asp Arg Cys Leu Leu Phe Leu Val Met  
 1 5 10 15

Ser Arg Phe Gly Phe Lys Ser Arg Leu Glu Ala Thr Ser Cys Lys Gln

20	25	30
Val Gln Glu Asn Glu Thr Arg Arg Val Gly Asp Thr Arg Met Lys Thr		
35	40	45
Ser Val Arg Val Lys Thr Lys Gln Thr Met Tyr Ile Ile Cys Ile Trp		
50	55	60
Glu Lys Lys Glu Arg Asn Tyr Leu Thr		
65	70	
<210> 147		
<211> 61		
<212> PRT		
<213> Homo sapiens		
<400> 147		
Met Ala Ser Leu Leu Asp Asn Phe Ile Leu Asn Ile Ile Val Ile Phe		
1	5	10
		15
Cys Ile Val Ile Asp Ser Tyr Leu Cys Gly Phe Met Tyr Phe Phe Val		
20	25	30
Ile Asp Ser Pro Val Pro Ala Cys Ser Pro Leu Gln Leu Ser Gln Thr		
35	40	45
Leu Ile Leu Gln Leu Gln Pro Thr Ala Arg Tyr Phe His		
50	55	60
<210> 148		
<211> 22		
<212> PRT		
<213> Homo sapiens		
<400> 148		
Met Ser Leu Leu Leu Phe Leu Lys Val His Leu Phe Ser Pro Ser Thr		
1	5	10
		15
Ile Phe Lys Arg Asn Asn		
20		
<210> 149		
<211> 37		
<212> PRT		
<213> Homo sapiens		
<400> 149		
Met Val Phe Ser Ala Lys Ile Gly Val Arg Tyr Phe Leu Val Leu Ser		
1	5	10
		15
Cys Leu Pro Asn Cys Cys Leu Pro Ala Asp Trp Trp His Ala Gln Trp		
20	25	30
Leu Trp Gly Gln Gly		
35		

<210> 150

<211> 25

<212> PRT

<213> Homo sapiens

<400> 150

Met Ile Leu Thr Phe Cys Val Phe Leu Leu Phe Ser Phe His Asn Ala  
1 5 10 15

Ile Lys Ser Thr Pro Phe Leu Lys Phe  
20 25

<210> 151

<211> 108

<212> PRT

<213> Homo sapiens

<400> 151

Met Ser Ser Val Ser Leu Ser Ala Ser Ser Ser Ser Ser Lys Val  
1 5 10 15

Pro Arg Val Arg Ile Lys Ser Glu Gly Cys Ser Thr Gly Asp Lys Leu  
20 25 30

Ser Leu Ala Val Pro Ala Ser Lys Ala Thr Glu Pro Ile Ser Phe Arg  
35 40 45

Arg Arg Ser Ser Cys Ser Leu Cys Cys Trp Leu Ser Ala Leu Ala Ser  
50 55 60

Asp Phe Phe Arg Arg Ser Tyr Ser Gly Arg Tyr Ser Leu Ser Tyr Ser  
65 70 75 80

Ser Ala Ala Leu Val Thr Cys Thr Lys Ser Ser Ser Asn Pro Val Pro  
85 90 95

Arg Thr Ala Glu Thr Pro Thr Thr Leu Ser Glu Leu  
100 105

<210> 152

<211> 36

<212> PRT

<213> Homo sapiens

<400> 152

Met Glu Val Leu Phe Asp Ser Leu Leu Phe Ser Ser Phe Ile Phe Pro  
1 5 10 15

Ser Gln Ser Leu Leu Ser Arg Thr Ser Ala Phe Ser His Lys Pro Asn  
20 25 30

Gly Leu Ser Glu  
35

<210> 153

<211> 32

<212> PRT

<213> Homo sapiens

<400> 153

Met Gly Pro Lys Ser Gln Thr Glu Arg Thr Ser Ser Leu Met Pro His  
1 5 10 15

Gln Val Arg Glu Arg Arg Ala His Ile Pro Gln Met Pro Met Asn Thr  
20 25 30

<210> 154

<211> 47

<212> PRT

<213> Homo sapiens

<400> 154

Met Gly Ile Met Leu Leu Ser Tyr Ser Asn Gly Thr Val Leu Phe Ile  
1 5 10 15

Phe Val Pro Gln Ile Thr Ser Ser Val Leu Ser Val Phe Cys Ile Val  
20 25 30

Phe Val Gln Asp Ser Leu Gly Phe Ile Ser Val Ile Ser Ala Phe  
35 40 45

<210> 155

<211> 74

<212> PRT

<213> Homo sapiens

<400> 155

Met Asp Tyr Ser Arg Ile Ile Glu Arg Leu Leu Lys Leu Ala Val Pro  
1 5 10 15

Asn His Leu Ile Trp Leu Ile Phe Phe Tyr Trp Leu Phe His Ser Cys  
20 25 30

Leu Asn Ala Val Ala Glu Leu Met Gln Phe Gly Asp Arg Glu Phe Tyr  
35 40 45

Arg Asp Trp Trp Asn Ser Glu Ser Val Thr Tyr Phe Trp Gln Asn Trp  
50 55 60

Asn Ile Pro Val His Lys Trp Cys Ile Arg  
65 70

<210> 156

<211> 49

<212> PRT

<213> Homo sapiens

<400> 156

Met Gly Gln Ser Phe Ser Leu Tyr Met Ile Phe Gln Ile Phe Thr Thr  
1 5 10 15

Phe Leu Val Pro Leu Asp Ala Arg His Cys Leu Leu Glu Thr His Trp  
20 25 30

Tyr Val Thr Ala Gly Phe Thr Met Glu Pro His Ile His Met Ser Trp  
35 40 45

Asn

<210> 157  
<211> 29  
<212> PRT  
<213> Homo sapiens

<400> 157  
Met Pro Gly Ile Phe Ile Leu Phe Met Thr Leu Ala Ser Thr Phe Asp  
1 5 10 15

Gln Arg Leu Leu Asn Asp Ser Gln Pro Lys Asp His Ser  
20 25

<210> 158  
<211> 25  
<212> PRT  
<213> Homo sapiens

<400> 158  
Met Thr Ser Tyr Ile Ile Asn Leu Ser Phe Phe Leu Pro Leu Ala Thr  
1 5 10 15

Arg Lys Val Ser Ala Lys Pro Cys Gly  
20 25

<210> 159  
<211> 33  
<212> PRT  
<213> Homo sapiens

<400> 159  
Met Ser Ser Gly Leu Phe Leu Val Leu Phe Cys Phe Leu Cys Val Phe  
1 5 10 15

Val Gly Phe Phe Asp Phe His Cys Trp Cys Asp Ile Leu Val Lys Ser  
20 25 30

Ser

<210> 160  
<211> 66  
<212> PRT  
<213> Homo sapiens

<400> 160  
Met Gln Asn Asp Gly Leu Lys Phe Met Glu Met Val Leu His Val Leu  
1 5 10 15

Gln Ala Ser Ile Gly Val Leu Leu Leu Met Val Asp Val Leu Glu His  
                   20                  25                  30  
  
 Phe Leu Ala Met Leu Ile Gly Asn Ala Gly Ala Pro Leu Pro Leu Leu  
                   35                  40                  45  
  
 Asp Val Leu Gly Lys Asp Val Ile Asp Val Ala Glu Arg Arg Glu Ser  
                   50                  55                  60  
  
 Lys Lys  
   65

<210> 161  
 <211> 41  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> MISC\_FEATURE  
 <222> (21)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> MISC\_FEATURE  
 <222> (38)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 161  
 Met Asn Ser Thr Cys Gly Phe Val Thr Ser Ile Asn Gln Ile Phe Leu  
   1              5                  10                  15

Ile Ile Leu Trp Xaa Leu Tyr Leu Pro Leu Leu Thr Thr Thr Leu Glu  
   20                  25                                  30

Ile Trp Glu Leu Leu Xaa Leu Leu His  
   35                  40

<210> 162  
 <211> 72  
 <212> PRT  
 <213> Homo sapiens

<400> 162  
 Met Asp Thr Arg Gly Val Val Leu Arg Ser Gly Glu Phe Asn Arg Gln  
   1              5                  10                  15

Glu Gly Arg Glu Lys Thr Glu Gly Arg Ser Ser Ser Ile Trp Arg Gln  
   20                  25                                  30

Arg Glu Gly Gly Ser Lys Ala Lys Arg Gly Gly Pro Gln Val Gln Trp  
   35                  40                                  45

Thr Pro Ala Lys Tyr Ile Cys Arg Gly Trp Lys Gly Arg Cys Leu Ile  
   50                  55                                  60

Tyr Ile Gly Leu Arg Gly Leu Val  
   65                  70

<210> 163

<211> 44

<212> PRT

<213> Homo sapiens

<400> 163

Met Val Ser Asp Ile Ser Gly Gln Lys Gln Ser Leu Glu Ala Val Lys  
1 5 10 15

Glu His Leu Leu Phe Ile Trp Leu Pro Val Tyr Lys Ser Thr His Glu  
20 25 30

Gly Pro Asn Ser Lys Ile Ser Asn Tyr Gln Val Leu  
35 40

<210> 164

<211> 60

<212> PRT

<213> Homo sapiens

<400> 164

Met Ala Ala Val Met Leu Val Leu Thr Val Val Leu Gly Leu Tyr Asn  
1 5 10 15

Ser Tyr Asn Ser Cys Ala Glu Gln Ala Asp Gly Pro Leu Gly Arg Ser  
20 25 30

Thr Cys Ser Ala Ala Pro Gly Thr Pro Gly Gly Ala Gln Asp Ser Ser  
35 40 45

Met Ser Ser Leu Gln Ser Ser Arg Lys Pro His Thr  
50 55 60

<210> 165

<211> 109

<212> PRT

<213> Homo sapiens

<400> 165

Met Val Leu Thr Gly Val Arg Leu Met Lys Trp Arg Asp Glu Lys Thr  
1 5 10 15

Phe Gly Thr Asp Cys Val Glu Ala Val Ile Leu Leu Val Thr Leu Leu  
20 25 30

Trp Glu Lys Lys Glu Ala Phe His Val Gly Phe Ser Glu Glu Leu Gln  
35 40 45

Tyr Phe Pro Glu Arg Ser Thr Glu Lys Leu Lys Val Phe Glu Trp Glu  
50 55 60

Glu Glu Lys Gln Thr Thr Ala Thr Ser Glu Asp Asn Thr Lys His Leu  
65 70 75 80

Val His Ser Val Tyr Thr Arg Gly Ala Val Asn Phe Leu Val Glu Lys  
85 90 95

Glu Leu Ser Leu Glu Lys Tyr Leu Lys Lys Pro Leu Lys  
100 105

<210> 166

<211> 42

<212> PRT

<213> Homo sapiens

<400> 166

Met Gly Ser Trp Phe Tyr Leu Phe Leu Ala Pro Leu Phe Lys Gly Leu  
1 5 10 15

Ala Gly Ser Leu Pro Phe Gly Cys Leu Ser Leu Leu Gln Pro Thr Glu  
20 25 30

Lys Thr Ala Leu Gln Ser Gly Gly Ser Ser  
35 40

<210> 167

<211> 40

<212> PRT

<213> Homo sapiens

<400> 167

Met Phe Ile Phe Arg Asp Gly Leu Thr Met Phe Ser Arg Leu Val Ser  
1 5 10 15

Asn Ser Cys Pro Gln Val Ile Leu Pro Ser Trp Pro Pro Glu Ser Leu  
20 25 30

Gly Gly Ser Gly Arg Arg Ile Ser  
35 40

<210> 168

<211> 63

<212> PRT

<213> Homo sapiens

<400> 168

Met Gly Gln Thr Glu Ala Met Gln Glu Glu Met Arg Thr Arg Thr Cys  
1 5 10 15

Thr Thr Thr Pro Gln Pro Met Glu Thr Ile Arg Gln Asn Lys Thr Arg  
20 25 30

Arg His Met Thr Arg Lys Gln Ala Trp Thr Leu Gln Lys Cys Gln Cys  
35 40 45

His Glu Arg Gln Lys Leu Gly Met Leu Phe Trp Ile Lys Gly Asp  
50 55 60

<210> 169

<211> 103

<212> PRT

<213> Homo sapiens

<400> 169  
 Met Gly Ser Trp Cys Leu Arg Gly Gly Ala Val Glu Glu Pro Ala Leu  
 1 5 10 15  
 Gln Ser Arg Glu Met Gly Tyr Ile Pro Val Leu Leu Pro Ser Ile Gly  
 20 25 30  
 Leu Glu Val Ser Gln Leu Leu Ala Gly Ala Gly Asp Ile Arg Asp Pro  
 35 40 45  
 Pro Asn Gln Glu Ile Pro His Gln Leu Phe Ser Arg Asp Val Ala Asn  
 50 55 60  
 Pro Ile Cys Arg Asp Phe Ile Thr Arg Glu Thr Leu Ser Thr Glu Ile  
 65 70 75 80  
 Leu Met Ile Asp Ile Leu Leu Thr Arg Ser Ser Pro Leu Thr Phe Cys  
 85 90 95  
 Leu Tyr Arg Asp Ala Phe Asp  
 100

<210> 170  
 <211> 45  
 <212> PRT  
 <213> Homo sapiens

<400> 170  
 Met Phe Lys Asp Phe Ile Phe Leu Thr Phe Leu Pro Lys Leu Ser Gln  
 1 5 10 15  
 Phe Val Lys Gly Ser Leu Ile Ser Gly Leu Ser Glu Cys Asp Asn Thr  
 20 25 30  
 Ser Leu Lys Ala Ile Leu Gly Phe Ser Asn Tyr Ser Gln  
 35 40 45

<210> 171  
 <211> 47  
 <212> PRT  
 <213> Homo sapiens

<400> 171  
 Met Ser Trp Gly Tyr Phe Leu Gly Ala Ser Val Leu Leu Gln Asn Phe  
 1 5 10 15  
 Phe Ser Ser Tyr Leu Leu Thr Pro Ser Gly Lys Ile Ile Glu Glu Val  
 20 25 30  
 Thr Val Val Lys Ala Ser Val Asn Ser Ile Ser Lys Asn Phe Met  
 35 40 45

<210> 172  
 <211> 71  
 <212> PRT  
 <213> Homo sapiens

<400> 172  
Met Arg Ala Thr Ile Val Arg Pro Tyr Cys Gln Glu Gly Gly Phe Trp  
1 5 10 15

Leu Leu Ala Leu Val Tyr Lys Gly Ala Arg Ala Ala Pro Leu Asp Tyr  
20 25 30

Ser Trp Glu Asp Ser Asp Ala Gly Arg Leu Leu Leu Pro Trp Val Thr  
35 40 45

Ser Ser Leu Leu Ala Asp Ile Trp Gly Phe Asp Pro Phe Phe Phe Asn  
50 55 60

Leu Leu Leu Leu Arg Cys Ile  
65 70

<210> 173

<211> 153

<212> PRT

<213> Homo sapiens

<400> 173

Met Cys Glu Ser Asn Ser Thr Met Pro Gly Pro Ser Leu Glu Ser Pro  
1 5 10 15

Val Ser Thr Pro Ala Gly Lys Ile Gly Leu Ala Val Cys Tyr Asp Met  
20 25 30

Arg Phe Pro Glu Leu Ser Leu Ala Leu Ala Gln Ala Gly Ala Glu Ile  
35 40 45

Leu Thr Tyr Pro Ser Ala Phe Gly Ser Ile Thr Gly Pro Ala His Trp  
50 55 60

Glu Val Leu Leu Arg Ala Arg Ala Ile Glu Thr Gln Cys Tyr Val Val  
65 70 75 80

Ala Ala Ala Gln Cys Gly Arg His His Glu Lys Arg Ala Ser Tyr Gly  
85 90 95

His Ser Met Val Val Asp Pro Trp Gly Thr Val Val Ala Arg Cys Ser  
100 105 110

Glu Gly Pro Gly Leu Cys Leu Ala Arg Ile Asp Leu Asn Tyr Leu Arg  
115 120 125

Gln Leu Arg Arg His Leu Pro Val Phe Gln His Arg Arg Pro Asp Leu  
130 135 140

Tyr Gly Asn Leu Gly His Pro Leu Ser  
145 150

<210> 174

<211> 53

<212> PRT

<213> Homo sapiens

<400> 174  
Met Lys Val Gln Ser Phe Tyr Lys Thr Leu Ile Pro Leu Leu Thr Ile  
1 5 10 15

Phe Met Met Val Ala Leu Val Asn Phe Thr Gly Lys Lys Asn Ser Gln  
20 25 30

Asn Tyr Pro Ala Gly Asn Ile Ser Ser Leu Pro Lys Asp Lys Thr Val  
35 40 45

Lys Thr Arg Leu Gly  
50

<210> 175

<211> 45

<212> PRT

<213> Homo sapiens

<400> 175

Met Ala Trp Val Thr Ser Tyr Gly Pro Leu Glu Asp Glu Ser Asn Pro  
1 5 10 15

Ser His Trp Phe Phe Phe Ala Asn Ser Phe Ala Phe Ile Phe Leu Ile  
20 25 30

Thr Ile Asn Ser Ile Phe His Val Leu Arg Ala Pro Gly  
35 40 45

<210> 176

<211> 178

<212> PRT

<213> Homo sapiens

<400> 176

Met Ala Lys Val Ala Lys Asp Leu Asn Pro Gly Val Lys Lys Met Ser  
1 5 10 15

Leu Gly Gln Leu Gln Ser Ala Arg Gly Val Ala Cys Leu Gly Cys Lys  
20 25 30

Gly Thr Cys Ser Gly Phe Glu Pro His Ser Trp Arg Lys Ile Cys Lys  
35 40 45

Ser Cys Lys Cys Ser Gln Glu Asp His Cys Leu Thr Ser Asp Leu Glu  
50 55 60

Asp Asp Arg Lys Ile Gly Arg Leu Leu Met Asp Ser Lys Tyr Ser Thr  
65 70 75 80

Leu Thr Ala Arg Val Lys Gly Asp Gly Ile Arg Ile Tyr Lys Arg  
85 90 95

Asn Arg Met Ile Met Thr Asn Pro Ile Ala Thr Gly Lys Asp Pro Thr  
100 105 110

Phe Asp Thr Ile Thr Tyr Glu Trp Ala Pro Pro Gly Val Thr Gln Lys  
115 120 125

Leu Gly Leu Gln Tyr Met Glu Leu Ile Pro Lys Glu Lys Gln Pro Val  
130 135 140

Thr Gly Thr Glu Gly Ala Phe Thr Ala Ala Ala Ser Ser Cys Thr Ser  
145 150 155 160

Ser Pro Ser Met Thr Arg Ile Pro Arg Ala Ala Val Asp Phe Trp Arg  
165 170 175

Met Ser

<210> 177

<211> 30

<212> PRT

<213> Homo sapiens

<400> 177

Met Glu Gly Leu Met Leu Pro Leu Leu Ser Val Ile Tyr Ser Glu Gly  
1 5 10 15

Thr Val Trp Glu Glu Ile Ile Val Ser Gly Arg Gln Tyr Tyr  
20 25 30

<210> 178

<211> 128

<212> PRT

<213> Homo sapiens

<400> 178

Met Gln Trp Gly Glu Gly Ala Gly Pro Ser Trp Val Tyr Ile Leu Ser  
1 5 10 15

Trp Asp Ser Arg Ala Ser Leu Cys Met Cys Ala Ala Ser Arg Tyr Leu  
20 25 30

Cys Thr Gly Thr Asp Pro Pro Thr Arg Gly Asp Thr Ser Thr Pro His  
35 40 45

Lys Ala Ile Leu Pro Leu Asp Pro Cys Pro Gln Ile Ser Arg Thr Ala  
50 55 60

Arg Ala Glu Phe Leu Gln Pro Gly Gly Ser Thr Ser Ser Arg Ala Ala  
65 70 75 80

Ala Thr Ala Val Glu Leu Gln Leu Leu Phe Pro Leu Val Arg Val Asn  
85 90 95

Phe Glu Leu Gly Val Ile Met Val Ile Ala Val Ser Cys Val Lys Leu  
100 105 110

Leu Ser Ala His Asn Ser Thr Gln His Thr Ser Arg Lys His Lys Val  
115 120 125

<210> 179  
 <211> 36  
 <212> PRT  
 <213> Homo sapiens

<400> 179  
 Met Leu Tyr Ile Leu Leu Lys Pro Leu Leu Cys Leu Ser Val Asn Cys  
 1 5 10 15

Thr Asn Ile Tyr Gln Met Leu Thr Lys Ser Gln Gly Leu Asp Leu Ala  
 20 25 30

Leu Gly Arg Asn  
 35

<210> 180  
 <211> 37  
 <212> PRT  
 <213> Homo sapiens

<400> 180  
 Met Trp Gln His Cys Phe Val Ile Leu Phe Val Gln Val Met His Thr  
 1 5 10 15

Val Leu Ile Lys Gly Ser Asn Lys Tyr Trp Gly Leu Phe Phe Phe Phe  
 20 25 30

Pro Gln Gly Ile Leu  
 35

<210> 181  
 <211> 77  
 <212> PRT  
 <213> Homo sapiens

<400> 181  
 Met Tyr Thr Phe Ile Cys Thr Trp Leu Trp Arg Asp Lys Leu Ile His  
 1 5 10 15

Ile Gly Leu Gln Ile Ser Leu Thr Gly Arg Arg Ala Gln Lys Asn Asn  
 20 25 30

Ile Phe Leu His Phe Phe Gly Ser Ile Leu Lys Asn Lys Lys Gly Thr  
 35 40 45

Pro Lys Gly Ser Leu Val Thr Pro Leu Leu Gly Phe Leu Ile Thr Asn  
 50 55 60

Ile Ile Phe Thr Cys Lys Val Asn Gly Pro Leu Ile Ser  
 65 70 75

<210> 182  
 <211> 48  
 <212> PRT  
 <213> Homo sapiens

<220>

<221> MISC\_FEATURE  
<222> (17)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> MISC\_FEATURE  
<222> (18)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 182  
Met Leu Pro Leu Met Thr Tyr Ile Ile Gln Tyr Ile Tyr Thr Tyr Ile  
1 5 10 15

Xaa Xaa Val Arg Val Leu Ala Ile Leu Phe Leu Arg Arg Val Leu Ser  
20 25 30

Gln Thr Leu Leu His Ala Val Tyr Gly Val Ser Cys Val Leu Ile Phe  
35 40 45

<210> 183  
<211> 60  
<212> PRT  
<213> Homo sapiens

<220>  
<221> MISC\_FEATURE  
<222> (37)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 183  
Met Leu Leu Tyr Tyr Ser Val Met Thr Leu Ser Ser Leu Gly Gln Asp  
1 5 10 15

Pro Ser Leu Pro Thr Phe Ala Asp Arg His Ser Gly Met Trp Arg Gln  
20 25 30

Gln Cys Val Pro Xaa Thr Phe Leu Tyr Pro Pro Ala Val Gly Ser Thr  
35 40 45

Gln Trp Lys Gly Asp Met Thr Leu Ile Leu Leu Phe  
50 55 60

<210> 184  
<211> 48  
<212> PRT  
<213> Homo sapiens

<400> 184  
Met Gly Phe Ser His Arg Ser Pro Pro Val Ala His Pro Arg Ala Arg  
1 5 10 15

Asn Arg Arg Ser Gln Glu Val Val Thr Glu Leu Gly Pro Cys Leu Leu  
20 25 30

Leu Cys Thr Leu Leu Val Gln Thr Gly Val Val Gly Ser Gln Ala Leu

35

40

45

<210> 185

<211> 57

<212> PRT

<213> Homo sapiens

<400> 185

Met Cys Gly Val Thr Tyr Ala Trp Tyr Met Pro Leu Leu Leu Lys  
1 5 10 15

Phe Tyr Ser Leu Leu Leu Ala Gln Val Leu Leu Asn Pro Phe Leu Met  
20 25 30

Cys Thr Gly Trp Arg Lys Asn Tyr Ser Gln His Phe Glu Arg Lys Val  
35 40 45

Phe Arg Asn Asn Ile Asn Trp His Tyr  
50 55

<210> 186

<211> 84

<212> PRT

<213> Homo sapiens

<400> 186

Met Tyr Leu Ile His Leu Tyr Gln Val Leu Lys Tyr Leu Asp Lys Ser  
1 5 10 15

Lys Tyr Phe Val Phe Ser Phe Phe Leu Leu Ser Ile Leu Leu Thr Thr  
20 25 30

Val Lys Arg Cys Ser Ile Leu Ile Trp Ser Val Leu Arg Arg Lys Thr  
35 40 45

Met Lys Ala Glu Leu Val Cys Ala Thr Gln Ser Lys Pro Leu Leu Phe  
50 55 60

Phe Trp Lys Asp Gly Val Met Phe Phe Lys Asp Ser Asn Lys Tyr Pro  
65 70 75 80

Ala Val Ile Ser

<210> 187

<211> 31

<212> PRT

<213> Homo sapiens

<400> 187

Met Ser Lys Arg Phe Thr Leu Asp Tyr Leu Phe Leu Ser Glu Ile Val  
1 5 10 15

Leu Cys Leu Phe Tyr Tyr Leu Leu Ile Arg Ala Leu Ala Leu

20

25

30

<210> 188

<211> 61

<212> PRT

<213> Homo sapiens

<400> 188

Met Val Gly Ser Ala Met Met Gly Gly Ile Leu Leu Ala Leu Ile Glu  
1 5 10 15

Gly Val Gly Ile Leu Leu Thr Arg Tyr Thr Ala Gln Gln Phe Arg Asn  
20 25 30

Ala Pro Pro Phe Leu Glu Asp Pro Ser Gln Leu Pro Pro Lys Asp Gly  
35 40 45

Thr Pro Ala Pro Gly Tyr Pro Ser Tyr Gln Gln Tyr His  
50 55 60

<210> 189

<211> 161

<212> PRT

<213> Homo sapiens

<400> 189

Met Pro Gly Leu Ser Ala Ala Leu Thr Asp Cys Ser Ser Leu Pro His  
1 5 10 15

Gly Phe Pro Phe Phe Leu Glu Tyr Leu Phe Phe Arg Gly Asn Met Gln  
20 25 30

Leu Gly Leu Lys Thr Phe Pro Pro Ile Ser Pro Thr Gln Pro Arg Leu  
35 40 45

Gly Phe Ser Gly Glu Leu Arg Ser Leu Ser Val Phe Ile Phe His Pro  
50 55 60

Phe Ile Val Thr Ser Phe Val Ile Leu Phe Phe Gly Gly Asp Gly  
65 70 75 80

Val Ile Val Asn Leu Ile Ser Val Ser Tyr Leu Phe Ala Ser Pro Pro  
85 90 95

Ser Pro Pro His Glu Leu Leu Pro Ser Arg Gly Leu Ala Gln Leu Ala  
100 105 110

Leu Gly Thr Arg Glu Arg Thr Asp Ser Gly Pro Pro Gln Leu Ser Pro  
115 120 125

Pro Ser Leu Trp Lys Gly Gly Trp Gly Ser Gly Ala Ser Ser Trp Ala  
130 135 140

Leu Cys Glu Ala Trp Pro Pro Leu Pro Thr Leu Ala Leu Asp Cys Tyr  
145 150 155 160

Ser

<210> 190  
 <211> 114  
 <212> PRT  
 <213> Homo sapiens

<400> 190  
 Met His Gln Val Ser Thr Cys Phe Gly Pro Gly Arg Gly Leu Ala Leu  
 1 5 10 15

Thr Phe Met Thr Leu His Ser Phe Arg Glu Ala Ile Thr Leu Asp Cys  
 20 25 30

Asn Thr Asn Asp Arg Arg Pro Ser Gly Gln Arg Pro Pro Arg Pro Ser  
 35 40 45

Ala Pro Gln Arg Arg Gly Pro Arg Gly Arg Arg Cys Pro Ser Cys Ser  
 50 55 60

Pro Cys Ala Leu Ser Leu Thr Ser Pro Gly Ser Cys Leu Leu Lys Thr  
 65 70 75 80

Pro Val Phe Thr Pro Tyr Lys Ala Ser Ser Glu Gln Thr Gly Arg Pro  
 85 90 95

Leu Val Glu Pro Ala His Pro Val Pro Ser Ala Trp Arg Pro Gly Pro  
 100 105 110

Arg Ala

<210> 191  
 <211> 40  
 <212> PRT  
 <213> Homo sapiens

<400> 191  
 Met Cys Ile Phe Glu Cys Met Cys His Phe Phe Ile Asp Ile Ser Asn  
 1 5 10 15

His Tyr Tyr Val Val Arg Phe Tyr Pro Glu Asp Ser Leu Pro Lys Thr  
 20 25 30

Phe Ile Tyr Asp Pro Phe Lys Ala  
 35 40

<210> 192  
 <211> 42  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> MISC\_FEATURE  
 <222> (16)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 192

Met Lys Asn Met His Val Tyr Leu Asn Tyr Asn Asn Phe Leu Leu Xaa  
1 5 10 15

Leu Leu Arg Leu Met Leu Asn Ile Cys Ser Phe Thr Gln Pro Leu Val  
20 25 30

Ala Glu Glu Glu Arg Pro Leu Thr Pro Leu  
35 40

<210> 193

<211> 65

<212> PRT

<213> Homo sapiens

<400> 193

Met Asp Glu Glu Arg Glu Ile Ile Ser His Gly Glu Phe Cys Asn Val  
1 5 10 15

Ser Arg Glu Arg Asp Trp Val Gly Arg Gln Ala Ser Gln Phe Val Lys  
20 25 30

Cys Lys Gly Thr Thr His Arg Thr Leu Ser Leu Thr Arg Ala Val Ser  
35 40 45

Tyr Val Val Leu Ser Pro Leu Ala Lys Asp Leu Pro Leu Leu Ala Ser  
50 55 60

Asp

65

<210> 194

<211> 63

<212> PRT

<213> Homo sapiens

<400> 194

Met Val Cys Gly Val Phe Cys Cys Leu Pro Leu Glu Val Leu Pro Phe  
1 5 10 15

Ser Arg Pro Ile Asn Val Leu Trp Leu Leu Asn Tyr Ser Ser Thr Leu  
20 25 30

Gln Cys Thr Gly Phe Pro Pro Gly Val Asn Thr Asn Gly Gly His Leu  
35 40 45

Leu Val Phe Leu Glu Val Leu Gly Glu Phe Ser Asp Leu Trp Leu  
50 55 60

<210> 195

<211> 58

<212> PRT

<213> Homo sapiens

<400> 195

Met Asp Lys Asn Val Thr Arg Ser Arg Thr Ile Lys Leu Val Gln Ala  
1 5 10 15

Ser Trp Thr Pro Pro Phe Gln Leu Pro Ala Phe Cys Leu Met Pro Val  
20 25 30

Cys Gln Trp Leu Glu Leu Gly Leu Leu Phe Arg Thr Ser Val Ala Ile  
35 40 45

Leu Ile Leu Pro Trp Gly His Asn Cys Pro  
50 55

<210> 196

<211> 29

<212> PRT

<213> Homo sapiens

<400> 196

Met Tyr Phe Ser Leu Leu Val Leu Leu Phe Ser Pro Ser Val Leu Phe  
1 5 10 15

Leu Ala Arg Lys Lys Cys Thr Arg Asn Asn Thr Leu Asn  
20 25

<210> 197

<211> 51

<212> PRT

<213> Homo sapiens

<400> 197

Met Trp Trp Trp Leu Met Leu Ala Thr Thr Ala Leu Lys Pro Ile Ala  
1 5 10 15

Thr Ser Ser Ser Cys Thr Glu Ala Leu Pro Gly Leu Trp Arg Asp Arg  
20 25 30

His Trp Gly Asp Trp Thr Arg Gly Ser Gly Trp Glu Val Gly Gln Thr  
35 40 45

Trp Gln His  
50

<210> 198

<211> 125

<212> PRT

<213> Homo sapiens

<400> 198

Met Ala Phe Asn Gly Ile Ile His Ala Leu Ala Ser Pro Leu Leu Ala  
1 5 10 15

Pro Pro Gln Pro Gln Ala Val Leu Ala Pro Glu Ala Pro Pro Val Ala  
20 25 30

Ala Gly Val Gly Ala Val Leu Ala Ala Gly Ala Leu Leu Gly Leu Val  
35 40 45

Ala Gly Ala Leu Tyr Leu Arg Ala Arg Gly Lys Pro Met Gly Phe Gly  
50 55 60

Phe Ser Ala Phe Gln Ala Glu Asp Asp Ala Asp Asp Asp Phe Ser Pro  
65 70 75 80

Trp Gln Glu Gly Thr Asn Pro Thr Leu Val Ser Val Pro Asn Pro Val  
85 90 95

Phe Gly Ser Asp Thr Phe Cys Glu Pro Phe Asp Asp Ser Leu Leu Glu  
100 105 110

Glu Asp Phe Pro Asp Thr Gln Arg Ile Leu Thr Val Lys  
115 120 125

<210> 199

<211> 134

<212> PRT

<213> Homo sapiens

<400> 199

Met Val Glu Asn Ser Pro Ser Pro Leu Pro Glu Arg Ala Ile Tyr Gly  
1 5 10 15

Phe Val Leu Phe Leu Ser Ser Gln Phe Gly Phe Ile Leu Tyr Leu Val  
20 25 30

Trp Ala Phe Ile Pro Glu Ser Trp Leu Asn Ser Leu Gly Leu Thr Tyr  
35 40 45

Trp Pro Gln Lys Tyr Trp Ala Val Ala Leu Pro Val Tyr Leu Leu Ile  
50 55 60

Ala Ile Val Ile Gly Tyr Val Leu Leu Phe Gly Ile Asn Met Met Ser  
65 70 75 80

Thr Ser Pro Leu Asp Ser Ile His Thr Ile Thr Asp Asn Tyr Ala Lys  
85 90 95

Asn Gln Gln Gln Lys Tyr Gln Glu Glu Ala Ile Pro Ala Leu Arg  
100 105 110

Asp Ile Ser Ile Ser Glu Val Asn Gln Met Phe Phe Leu Ala Ala Lys  
115 120 125

Glu Leu Tyr Thr Lys Asn  
130

<210> 200

<211> 80

<212> PRT

<213> Homo sapiens

<400> 200

Met Glu Ala Lys Phe Leu Gly Asn Ala Pro Cys Gly His Tyr Thr Phe  
1 5 10 15

Lys Phe Pro Gln Ala Met Arg Thr Glu Ser Asn Leu Gly Ala Lys Val  
20 25 30

Phe Phe Phe Lys Ala Leu Leu Leu Thr Gly Asp Phe Ser Gln Ala Gly

35

40

45

Asn Lys Gly His His Val Trp Val Thr Lys Asp Glu Leu Gly Asp Tyr  
50 55 60

Leu Lys Pro Lys Tyr Leu Ala Gln Val Arg Arg Phe Val Ser Asp Leu  
65 70 75 80

<210> 201  
<211> 22  
<212> PRT  
<213> Homo sapiens

<400> 201  
Met Leu Thr Phe Leu Ile Phe Leu Phe Pro Glu Val Val Leu Gly Leu  
1 5 10 15

Leu Arg Asp Tyr Ser Ser  
20

<210> 202  
<211> 23  
<212> PRT  
<213> Homo sapiens

<400> 202  
Met Leu Val Glu Lys Ile Leu Leu Ile Glu Cys Leu Ser Ser Glu Ser  
1 5 10 15

Gln Leu Ile Gly Phe Leu Leu  
20

<210> 203  
<211> 8  
<212> PRT  
<213> Homo sapiens

<400> 203  
Met His Val Tyr Leu Asn Tyr Lys  
1 5

<210> 204  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 204  
Met Val Glu Ser Asn Leu Pro Gly Pro Ala  
1 5 10

<210> 205  
<211> 40

<212> PRT  
<213> Homo sapiens

<400> 205  
Asn Ser Ala Arg Ala Lys Met Arg Leu Ser Thr Asn Leu Cys Ile Ile  
1 5 10 15

Leu Ile Asn Ile Leu Ile Gln Asn Val Leu Asn Phe Asn Arg Lys Ile  
20 25 30

Ile Phe Lys Phe Leu Pro Cys Ala  
35 40

<210> 206  
<211> 48  
<212> PRT  
<213> Homo sapiens

<400> 206  
His Glu Gly Thr Trp Arg Trp Glu Ala Pro Thr Pro Leu Gln Ser Leu  
1 5 10 15

Gly Pro Thr Thr Pro Ser Leu Pro Ser Val Ala Asp Leu Cys Gln Asp  
20 25 30

Gly His Gly Gly Cys Ser Glu His Ala Asn Cys Ser Gln Val Gly Thr  
35 40 45

<210> 207  
<211> 8  
<212> PRT  
<213> Homo sapiens

<400> 207  
Leu Ser Ala Gly Asn His Asp Thr  
1 5

<210> 208  
<211> 19  
<212> PRT  
<213> Homo sapiens

<400> 208  
Glu Phe Gly Thr Arg Ser Leu Asp Pro Ser Gly Arg His Arg Val Gly  
1 5 10 15

Ala Ala Gly

<210> 209  
<211> 44  
<212> PRT  
<213> Homo sapiens

<400> 209  
Ala Gln Gly Arg Cys Ser Arg Asp Gly Ala Ser Ala His Gly Gly Leu  
1 5 10 15

Ser Val Pro Arg Trp Thr Cys Pro Ser Ser Gly Ser His Asn Pro Leu  
20 25 30

Pro Leu His Tyr Phe Thr Gln Val Gly Thr Phe Pro  
35 40

<210> 210

<211> 44

<212> PRT

<213> Homo sapiens

<400> 210

Cys Arg Val Ser Ala Leu Arg Glu Leu Lys Asp Ser Gln Arg His Gln  
1 5 10 15

Gly Ser Leu Ala Gln Arg Ser Asn Ser Gln Ala Pro Arg Arg Thr Ala  
20 25 30

Met Glu Arg Thr Glu Thr His Leu Gln Trp Gly Leu  
35 40

<210> 211

<211> 45

<212> PRT

<213> Homo sapiens

<400> 211

Gly Thr Leu Pro Val Pro Gly Val Gln Ser Leu Pro Thr Pro Ser Leu  
1 5 10 15

Cys Leu Pro Pro Ser Lys Gly Gly Val Thr Thr Ser Val Ala Lys His  
20 25 30

Leu Leu Pro Gly Ser Leu His Pro Gly His Leu Ser Leu  
35 40 45

<210> 212

<211> 51

<212> PRT

<213> Homo sapiens

<220>

<221> MISC\_FEATURE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 212

Trp Ser Val Cys Leu Ser Val Pro Pro Ser Leu Asn Leu Leu Pro Pro  
1 5 10 15

Cys Pro Leu Leu Leu Ala Pro Gly Ser Pro Xaa Pro Leu Leu Ala Ala  
20 25 30

Pro Ser His Leu Thr Gln Gly Ser Leu Arg Thr Leu Lys Trp Trp Ile  
35 40 45

His Pro Glu  
50

<210> 213  
<211> 50  
<212> PRT  
<213> Homo sapiens

<220>  
<221> MISC\_FEATURE  
<222> (5)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 213  
Ser Pro Gly Leu Xaa Gly Ile Arg His Glu Gln Pro Ser Lys Leu Met  
1 5 10 15

Arg Leu Leu Ser Ser Asn Glu Asp Asp Ala Asn Ile Leu Ser Ser Pro  
20 25 30

Thr Asp Arg Ser Met Ser Ser Ser Leu Ser Ala Ser Gln Leu His Thr  
35 40 45

Val Asn  
50

<210> 214  
<211> 25  
<212> PRT  
<213> Homo sapiens

<400> 214  
Gln Pro Ser Lys Leu Met Arg Leu Leu Ser Ser Asn Glu Asp Asp Ala  
1 5 10 15

Asn Ile Leu Ser Ser Pro Thr Asp Arg  
20 25

<210> 215  
<211> 26  
<212> PRT  
<213> Homo sapiens

<400> 215  
Gln Leu His Thr Val Asn Met Arg Asp Pro Leu Asn Arg Val Leu Ala  
1 5 10 15

Asn Leu Phe Leu Leu Ile Ser Ser Ile Leu  
20 25

<210> 216  
<211> 17

<212> PRT

<213> Homo sapiens

<400> 216

Gly Ser Arg Thr Ala Gly Pro His Thr Gln Phe Val Gln Trp Phe Met  
1 5 10 15

Glu

<210> 217

<211> 16

<212> PRT

<213> Homo sapiens

<400> 217

Lys Val Ser Ala Met Ser Ser Pro Lys Val Val Leu Ala Ile Thr Asp  
1 5 10 15

<210> 218

<211> 41

<212> PRT

<213> Homo sapiens

<400> 218

Ile Leu Tyr Leu Val Trp Ala Phe Ile Pro Glu Ser Trp Leu Asn Ser  
1 5 10 15

Leu Gly Leu Thr Tyr Trp Pro Gln Lys Tyr Trp Ala Val Ala Leu Pro  
20 25 30

Val Tyr Leu Leu Ile Ala Ile Val Ile

35 40

<210> 219

<211> 20

<212> PRT

<213> Homo sapiens

<400> 219

Tyr Gly Phe Val Leu Phe Leu Ser Ser Gln Phe Gly Phe Ile Leu Tyr  
1 5 10 15

Leu Val Trp Ala

20

<210> 220

<211> 12

<212> PRT

<213> Homo sapiens

<400> 220

Thr Ser Pro Leu Asp Ser Ile His Thr Ile Thr Asp

1	5	10
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<210> 221  
 <211> 20  
 <212> PRT  
 <213> Homo sapiens

<400> 221  
 Pro Leu Pro Glu Arg Ala Ile Tyr Gly Phe Val Leu Phe Leu Ser Ser  
 1 5 10 15

Gln Phe Gly Phe  
 20

<210> 222  
 <211> 51  
 <212> PRT  
 <213> Homo sapiens

<400> 222  
 Pro Thr Arg Gly Gly Ser Leu Cys Ala Cys Pro Gly Trp Gly Leu Pro  
 1 5 10 15

Ser Arg Leu Gly Leu Ser Leu Arg Phe Ser Ser Ser Pro Leu Arg Leu  
 20 25 30

Pro Ser Arg Arg Leu Arg Glu Asn Ser Ala Leu Arg Leu Ser Lys Ala  
 35 40 45

Pro Gly Lys  
 50

<210> 223  
 <211> 35  
 <212> PRT  
 <213> Homo sapiens

<400> 223  
 Ser Leu His Ser Ser Ala Val Ala Ala Thr Tyr Lys Tyr Val Asn Met  
 1 5 10 15

Gln Asp Pro Glu Met Asp Met Lys Ser Val Thr Asp Arg Ala Ala Arg  
 20 25 30

Thr Leu Leu  
 35

<210> 224  
 <211> 60  
 <212> PRT  
 <213> Homo sapiens

<400> 224  
 Trp Thr Glu Leu Phe Arg Gly Leu Gly Met Thr Leu Ser Tyr Leu Phe  
 1 5 10 15

Arg	Glu	Pro	Ala	Thr	Ile	Asn	Tyr	Pro	Phe	Glu	Lys	Gly	Pro	Leu	Ser
20								25					30		
Pro	Arg	Phe	Arg	Gly	Glu	His	Ala	Leu	Arg	Arg	Tyr	Pro	Ser	Gly	Glu
35					40						45				
Glu	Arg	Cys	Ile	Ala	Cys	Lys	Leu	Cys	Glu	Ala	Ile				
50					55						60				
<210> 225															
<211> 57															
<212> PRT															
<213> Homo sapiens															
<400> 225															
Cys	Pro	Ala	Gln	Ala	Ile	Ile	Glu	Ala	Glu	Pro	Arg	Ala	Asp	Gly	Ser
1					5				10				15		
Arg	Arg	Thr	Thr	Arg	Tyr	Asp	Ile	Asp	Met	Thr	Lys	Cys	Ile	Tyr	Cys
20						25				30					
Gly	Phe	Cys	Gln	Glu	Ala	Cys	Pro	Val	Asp	Ala	Ile	Val	Glu	Gly	Pro
35						40							45		
Asn	Phe	Glu	Phe	Ser	Thr	Glu	Thr	His							
50					55										
<210> 226															
<211> 19															
<212> PRT															
<213> Homo sapiens															
<400> 226															
Gly	Asp	Lys	Trp	Glu	Ala	Glu	Ile	Ala	Ala	Asn	Ile	Gln	Ala	Asp	Tyr
1					5				10				15		
Leu Tyr Arg															
<210> 227															
<211> 48															
<212> PRT															
<213> Homo sapiens															
<400> 227															
Ser	Ala	Ala	Asp	Pro	Ala	Thr	Gln	Pro	Gly	Asp	Ser	Arg	Ala	Leu	Pro
1					5				10				15		
Glu	Pro	Arg	Gly	Val	Pro	Ala	Val	His	Pro	Ala	Gly	Ser	Gly	Ser	Glu
20						25							30		
Trp	Glu	Arg	Pro	Pro	Pro	Ala	Ala	Pro	Ser	Pro	Glu	His	Arg	Asp	Lys
35						40						45			

<210> 228  
<211> 24  
<212> PRT  
<213> Homo sapiens

<400> 228  
Asp Ser Arg Ala Leu Pro Glu Pro Arg Gly Val Pro Ala Val His Pro  
1 5 10 15

Ala Gly Ser Gly Ser Glu Trp Glu  
20

<210> 229  
<211> 19  
<212> PRT  
<213> Homo sapiens

<220>  
<221> MISC\_FEATURE  
<222> (8)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 229  
Arg Arg Thr Ser Gly Ser Pro Xaa Ala Ala Gly Ile Arg His Glu Gly  
1 5 10 15

Gly Phe Ile

<210> 230  
<211> 48  
<212> PRT  
<213> Homo sapiens

<400> 230  
Ala His Gly Gln Ile Glu Gly Lys Ala Leu Thr His Asp His Thr Ala  
1 5 10 15

Glu Lys Trp Gln Arg Gln Asp Leu Asn Leu Glu Pro Leu Ala Pro His  
20 25 30

Thr Ser Asn Leu Asn His Ser Pro Tyr Asn Thr Thr Tyr Val Val Lys  
35 40 45

<210> 231  
<211> 149  
<212> PRT  
<213> Homo sapiens

<400> 231  
Met Asn Arg His Asn Phe Pro Cys Ser Val His Gln Tyr Glu Ser Ser  
1 5 10 15

Gly Thr Val Asn Asn Asp Asp Ser Asp Leu Leu Asp Ser Gln Val Gln  
20 25 30

Tyr Ser Ala Glu Pro Gln Leu Tyr Gly Asn Ala Thr Ser Asp His Pro  
35 40 45

Asn Asn Gln Asp Gln Ser Ser Ser Leu Pro Glu Glu Cys Val Pro Ser  
50 55 60

Asp Glu Ser Thr Pro Pro Ser Ile Lys Lys Ile Ile His Val Leu Glu  
65 70 75 80

Lys Val Gln Tyr Leu Glu Gln Glu Val Glu Glu Phe Val Gly Lys Lys  
85 90 95

Thr Asp Lys Ala Tyr Trp Leu Leu Glu Glu Met Leu Thr Lys Glu Leu  
100 105 110

Leu Glu Leu Asp Ser Val Glu Thr Gly Gly Gln Asp Ser Val Arg Gln  
115 120 125

Ala Arg Lys Glu Ala Val Cys Lys Ile Gln Ala Ile Leu Glu Lys Lys  
130 135 140

Lys Lys Lys Asn Ser  
145

<210> 232  
<211> 87  
<212> PRT  
<213> Homo sapiens

<400> 232  
Gly Ala Arg Ala Thr Ala Pro Val Thr Val Arg Pro Thr Ala Ala Thr  
1 5 10 15

Thr Gly Leu Gly Val Glu Met Cys Arg Tyr Thr His Leu His Pro Tyr  
20 25 30

Ile Leu Phe Ala Leu Asn Leu Pro Ser Leu Pro Phe Pro Gly Gly Cys  
35 40 45

Ala Gly Ala Ala Arg Arg Arg Pro Pro Gly Trp Glu Lys Ala Glu Glu  
50 55 60

Ala Met Ala Thr Ile Pro Arg Glu Ala Pro Gly Gln Ser Leu Val Glu  
65 70 75 80

Pro Glu Glu Ala Thr Arg Val  
85

<210> 233  
<211> 25  
<212> PRT  
<213> Homo sapiens

<400> 233  
Pro Val Thr Val Arg Pro Thr Ala Ala Thr Thr Gly Leu Gly Val Glu

1

5

10

15

Met Cys Arg Tyr Thr His Leu His Pro  
20 25

<210> 234

<211> 25

<212> PRT

<213> Homo sapiens

<400> 234

Pro Tyr Ile Leu Phe Ala Leu Asn Leu Pro Ser Leu Pro Phe Pro Gly  
1 5 10 15

Gly Cys Ala Gly Ala Ala Arg Arg Arg  
20 25

<210> 235

<211> 20

<212> PRT

<213> Homo sapiens

<400> 235

Lys Ala Glu Glu Ala Met Ala Thr Ile Pro Arg Glu Ala Pro Gly Gln  
1 5 10 15

Ser Leu Val Glu  
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<210> 236

<211> 26

<212> PRT

<213> Homo sapiens

<400> 236

Met Asn Arg His Asn Phe Pro Cys Ser Val His Gln Tyr Glu Ser Ser  
1 5 10 15

Gly Thr Val Asn Asn Asp Asp Ser Asp Leu  
20 25

<210> 237

<211> 24

<212> PRT

<213> Homo sapiens

<400> 237

Asp Ser Gln Val Gln Tyr Ser Ala Glu Pro Gln Leu Tyr Gly Asn Ala  
1 5 10 15

Thr Ser Asp His Pro Asn Asn Gln  
20

<210> 238

<211> 25

<212> PRT

<213> Homo sapiens

<400> 238

His Pro Asn Asn Gln Asp Gln Ser Ser Ser Leu Pro Glu Glu Cys Val  
1 5 10 15

Pro Ser Asp Glu Ser Thr Pro Pro Ser  
20 25

<210> 239

<211> 24

<212> PRT

<213> Homo sapiens

<400> 239

Glu Val Glu Glu Phe Val Gly Lys Lys Thr Asp Lys Ala Tyr Trp Leu  
1 5 10 15

Leu Glu Glu Met Leu Thr Lys Glu  
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<210> 240

<211> 24

<212> PRT

<213> Homo sapiens

<400> 240

Leu Glu Leu Asp Ser Val Glu Thr Gly Gly Gln Asp Ser Val Arg Gln  
1 5 10 15

Ala Arg Lys Glu Ala Val Cys Lys  
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<210> 241

<211> 9

<212> PRT

<213> Homo sapiens

<400> 241

Leu Asn Ser Ser Asp Cys Gln Leu Ala  
1 5

<210> 242

<211> 9

<212> PRT

<213> Homo sapiens

<400> 242

Asp Asn Tyr Cys Leu Gln Ile Asn Pro  
1 5

<210> 243

<211> 13

<212> PRT

<213> Homo sapiens

<400> 243

Lys Arg Ile Leu Asn Lys Pro Val Gly Leu Lys Asp Leu  
1 5 10

<210> 244

<211> 20

<212> PRT

<213> Homo sapiens

<400> 244

Gly Pro Gln Ile Ala Tyr Val Arg Asp Phe Lys Ala Lys Val Gln Tyr  
1 5 10 15

Phe Arg Phe Trp

20

<210> 245

<211> 21

<212> PRT

<213> Homo sapiens

<400> 245

Tyr Phe Val Asn His Asn Thr Arg Ile Thr Gln Trp Glu Asp Pro Arg  
1 5 10 15

Ser Gln Gly Gln Leu

20

<210> 246

<211> 23

<212> PRT

<213> Homo sapiens

<400> 246

Ile Gly Arg Phe Ile Ala Met Ala Leu Phe His Gly Lys Phe Ile Asp  
1 5 10 15

Thr Gly Phe Ser Leu Pro Phe

20

<210> 247

<211> 18

<212> PRT

<213> Homo sapiens

<400> 247

Lys Gln Ile Met Trp Phe Trp Gln Phe Val Lys Glu Ile Asp Asn Glu  
1 5 10 15

Lys Arg

<210> 248

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<211> 17
<212> PRT
<213> Homo sapiens

<400> 248
Phe Asn Arg Leu Asp Leu Pro Pro Tyr Lys Ser Tyr Glu Gln Leu Lys
1 5 10 15

Glu

<210> 249
<211> 474
<212> PRT
<213> Homo sapiens

<220>
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<222> (131)
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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 249
Thr His Ala Ser Ala Thr Arg Pro Gly Pro Leu Pro Pro Gly Trp Glu
1 5 10 15

Lys Arg Thr Asp Ser Asn Gly Arg Val Tyr Phe Val Asn His Asn Thr
20 25 30

Arg Ile Thr Gln Trp Glu Asp Pro Arg Ser Gln Gly Gln Leu Asn Glu

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35

40

45

Lys Pro Leu Pro Glu Gly Trp Glu Met Arg Phe Thr Val Asp Gly Ile  
 50 55 60

Pro Tyr Phe Val Asp His Asn Arg Arg Thr Thr Thr Tyr Ile Asp Pro  
 65 70 75 80

Arg Thr Gly Lys Ser Ala Leu Asp Asn Gly Pro Gln Ile Ala Tyr Val  
 85 90 95

Arg Asp Phe Lys Ala Lys Val Gln Tyr Phe Arg Phe Trp Cys Gln Gln  
 100 105 110

Leu Ala Met Pro Gln His Ile Lys Ile Thr Val Thr Arg Lys Thr Leu  
 115 120 125

Phe Glu Xaa Ser Phe Gln Gln Xaa Xaa Ser Phe Ser Pro Gln Asp Leu  
 130 135 140

Arg Xaa Arg Leu Trp Val Ile Phe Pro Gly Glu Gly Leu Asp Tyr  
 145 150 155 160

Gly Gly Val Ala Arg Glu Trp Phe Phe Leu Leu Ser His Glu Val Leu  
 165 170 175

Asn Pro Met Tyr Cys Leu Phe Glu Tyr Ala Gly Lys Asp Asn Tyr Cys  
 180 185 190

Leu Gln Ile Asn Pro Xaa Ser Tyr Ile Asn Pro Asp His Leu Lys Tyr  
 195 200 205

Phe Arg Phe Ile Gly Arg Phe Ile Ala Met Ala Leu Phe His Gly Lys  
 210 215 220

Phe Ile Asp Thr Gly Phe Ser Leu Pro Phe Xaa Lys Arg Ile Leu Asn  
 225 230 235 240

Lys Pro Val Gly Leu Lys Asp Leu Glu Ser Ile Asp Pro Glu Phe Tyr  
 245 250 255

Asn Ser Leu Ile Trp Val Lys Glu Asn Asn Ile Glu Glu Cys Asp Leu  
 260 265 270

Glu Met Tyr Phe Ser Val Asp Lys Glu Ile Leu Gly Glu Ile Lys Ser  
 275 280 285

His Asp Leu Lys Pro Asn Gly Gly Asn Ile Leu Val Thr Glu Glu Asn  
 290 295 300

Lys Glu Glu Tyr Ile Arg Met Val Ala Glu Trp Arg Leu Ser Arg Gly  
 305 310 315 320

Val Glu Glu Gln Thr Gln Ala Phe Phe Glu Gly Phe Asn Glu Ile Leu  
 325 330 335

Pro Gln Gln Tyr Leu Gln Tyr Phe Asp Ala Lys Glu Leu Glu Val Leu  
 340 345 350

Leu Cys Gly Met Gln Glu Ile Asp Leu Asn Asp Trp Gln Arg His Ala

355	360	365
Ile Tyr Arg His Tyr Ala Arg Thr Ser Lys Gln Ile Met Trp Phe Trp		
370	375	380
Gln Phe Val Lys Glu Ile Asp Asn Glu Lys Arg Met Arg Leu Leu Gln		
385	390	395
Phe Val Thr Gly Thr Cys Arg Leu Pro Val Gly Gly Phe Ala Asp Leu		
405	410	415
Met Gly Ser Asn Gly Pro Gln Lys Phe Cys Ile Xaa Lys Val Gly Lys		
420	425	430
Glu Asn Trp Leu Pro Arg Ser His Thr Cys Phe Asn Arg Leu Asp Leu		
435	440	445
Pro Pro Tyr Lys Ser Tyr Glu Gln Leu Lys Glu Lys Leu Leu Phe Ala		
450	455	460
Ile Glu Glu Thr Glu Gly Phe Gly Gln Glu		
465	470	
<210> 250		
<211> 10		
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<213> Homo sapiens		
<400> 250		
Pro Pro Gly Cys Arg Asn Ser Ala Arg Glu		
1	5	10
<210> 251		
<211> 10		
<212> PRT		
<213> Homo sapiens		
<400> 251		
Ala Cys Gly Ala Pro Glu Glu Ala Gly Gly		
1	5	10
<210> 252		
<211> 64		
<212> PRT		
<213> Homo sapiens		
<400> 252		
Asp Pro Arg Val Arg Asp Leu Gln Gln Lys Asp Ile Gly Val Lys Pro		
1	5	10
15		
Glu Phe Ser Phe Asn Ile Pro Arg Ala Lys Arg Glu Leu Ala Gln Leu		
20	25	30
Asn Lys Cys Thr Ser Pro Gln Gln Lys Leu Val Cys Leu Arg Lys Val		
35	40	45
Val Gln Leu Ile Thr Gln Ser Pro Ser Gln Arg Val Asn Leu Glu Thr		

50

55

60

<210> 253  
<211> 21  
<212> PRT  
<213> Homo sapiens

<400> 253  
Gln Gln Lys Asp Ile Gly Val Lys Pro Glu Phe Ser Phe Asn Ile Pro  
1 5 10 15  
Arg Ala Lys Arg Glu  
20

<210> 254  
<211> 25  
<212> PRT  
<213> Homo sapiens

<400> 254  
Lys Cys Thr Ser Pro Gln Gln Lys Leu Val Cys Leu Arg Lys Val Val  
1 5 10 15  
Gln Leu Ile Thr Gln Ser Pro Ser Gln  
20 25

<210> 255  
<211> 42  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (11)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 255  
Trp Gln Val Pro Ala Pro Val Ile Pro Gly Xaa Asp Pro Arg Val Arg  
1 5 10 15  
Gly Ala Arg Lys Arg Thr Leu Leu Gly Val Ala Gly Gly Trp Arg Arg  
20 25 30  
Phe Glu Arg Leu Trp Ala Gly Ser Leu Ser  
35 40

<210> 256  
<211> 41  
<212> PRT  
<213> Homo sapiens

<400> 256  
Ser Arg Ser Leu Ala Leu Ala Ala Pro Ser Ser Asn Gly Ser Pro

1	5	10	15
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Trp Arg Leu Leu Gly Ala Leu Cys Leu Gln Arg Pro Pro Val Val Ser  
                   20                  25                  30

Lys Pro Leu Thr Pro Leu Gln Glu Glu  
                   35                  40

<210> 257  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 257  
Leu Lys Val Pro Thr Cys Tyr Ser Ala Asn Thr  
   1                  5                  10

<210> 258  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 258  
Pro Pro Gly Cys Arg Asn Ser Ala Arg Glu  
   1                  5                  10

<210> 259  
<211> 7  
<212> PRT  
<213> Homo sapiens

<400> 259  
Gly Arg Pro Thr Arg Pro Ile  
   1                  5

<210> 260  
<211> 21  
<212> PRT  
<213> Homo sapiens

<220>  
<221> MISC\_FEATURE  
<222> (2)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> MISC\_FEATURE  
<222> (13)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 260  
Asn Xaa Trp Ile Pro Arg Ala Ala Gly Ile Arg His Xaa Ala Ala Leu  
   1                  5                  10                  15

Gly Gln Ala Gly Thr  
   20

<210> 261

<211> 85

<212> PRT

<213> Homo sapiens

<400> 261

Leu Leu Phe His Met Lys Leu Arg Lys Glu Val Glu Arg Thr Gly Leu  
1 5 10 15

Val Leu Trp Ala Leu Leu Ala Gly Ala Pro Pro Pro Thr Ala Gly Leu  
20 25 30

Gln Leu Gln Gly Ser Glu Ala Ile Ser Glu Lys Val Gly Ser Gly Ala  
35 40 45

Glu Gly Ser Arg Gly Gln Val Pro Gly Gln Leu Leu Gln Gln Ala Gln  
50 55 60

Gln Ala Phe His Leu Cys Pro Gln Val Ile His Gly Leu Leu Tyr His  
65 70 75 80

Leu Leu His Asp Ile  
85

<210> 262

<211> 25

<212> PRT

<213> Homo sapiens

<400> 262

Arg Lys Glu Val Glu Arg Thr Gly Leu Val Leu Trp Ala Leu Leu Ala  
1 5 10 15

Gly Ala Pro Pro Pro Thr Ala Gly Leu  
20 25

<210> 263

<211> 23

<212> PRT

<213> Homo sapiens

<400> 263

Gly Ser Arg Gly Gln Val Pro Gly Gln Leu Leu Gln Gln Ala Gln Gln  
1 5 10 15

Ala Phe His Leu Cys Pro Gln  
20

<210> 264

<211> 16

<212> PRT

<213> Homo sapiens

<400> 264

Ile Arg His Glu Arg His Glu Leu Val Pro Asn Ser Ala Arg Asp Phe

1

5

10

15

<210> 265

<211> 23

<212> PRT

<213> Homo sapiens

<220>

<221> MISC\_FEATURE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> MISC\_FEATURE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 265

Ser Gly Xaa Trp Gln Gly Leu Asp Glu Val Val Arg Leu Leu Asn Xaa  
1 5 10 15

Ser Asp Phe Ala Phe Thr Asp

20

<210> 266

<211> 61

<212> PRT

<213> Homo sapiens

<220>

<221> MISC\_FEATURE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> MISC\_FEATURE

<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 266

Gly Ser Leu Ala Lys Arg Ser Asn Phe Arg Ala Ile Ser Lys Lys Leu  
1 5 10 15

Asn Leu Ile Pro Arg Val Asp Gly Glu Tyr Asp Leu Lys Val Pro Arg  
20 25 30

Asp Met Ala Tyr Val Phe Xaa Gly Ala Tyr Val Pro Leu Ser Cys Arg  
35 40 45

Ile Ile Glu Gln Val Leu Glu Arg Arg Xaa Ala Gly Pro  
50 55 60

<210> 267

<211> 7

<212> PRT  
 <213> Homo sapiens

<400> 267  
 Glu Phe Gly Thr Ser Trp Val  
 1 5

<210> 268  
 <211> 33  
 <212> PRT  
 <213> Homo sapiens

<400> 268  
 Thr Pro His Asn Leu Ser Ala Arg Arg Leu Ser Gly Thr Met Tyr Gly  
 1 5 10 15

Phe Phe Ala Leu Gln Leu Thr Val Leu Leu Val His Tyr Phe Phe Leu  
 20 25 30

Ile

<210> 269  
 <211> 29  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> MISC\_FEATURE  
 <222> (6)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 269  
 Cys Gly Ala Cys Thr Xaa Leu Ser Leu Ser Asp Ser Arg Arg Cys Gly  
 1 5 10 15

Cys Cys Lys Gly Ser Ser Leu Arg His Thr Ala Val Ala  
 20 25

<210> 270  
 <211> 142  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> MISC\_FEATURE  
 <222> (66)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 270  
 Gln Lys Glu Trp Lys Leu Phe Leu Arg Gly Arg Gln Asn Glu Lys Ser  
 1 5 10 15

Gly Tyr Gln Lys Leu Leu Glu Leu Ile Leu Leu Asp Gln Thr Val Arg  
 20 25 30

Val Val Thr Ala Gly Ser Ala Ile Leu Gln Lys Cys His Phe Tyr Glu

35	40	45	
Val Leu Ser Glu Ile Lys Arg	Leu Gly Asp His	Leu Ala Glu Lys Thr	
50	55	60	
Ser Xaa Leu Pro Asn His	Ser Glu Pro Asp His	Asp Thr Asp Ala Gly	
65	70	75	80
Leu Glu Arg Thr Asn Pro Glu Tyr	Glu Asn Glu Val Glu Ala Ser Met		
85	90	95	
Asp Met Asp Leu Leu Glu Ser Ser Asn Ile Ser Glu Gly Glu Ile Glu			
100	105	110	
Arg Leu Ile Asn Leu Leu Glu Glu Val Phe His	Leu Met Glu Thr Ala		
115	120	125	
Pro His Thr Met Ile Gln Gln Pro Val Lys Ser Phe Pro Thr			
130	135	140	
<210> 271			
<211> 27			
<212> PRT			
<213> Homo sapiens			
<400> 271			
Leu Arg Gly Arg Gln Asn Glu Lys Ser Gly Tyr Gln Lys Leu Leu Glu			
1	5	10	15
Leu Ile Leu Leu Asp Gln Thr Val Arg Val Val			
20	25		
<210> 272			
<211> 26			
<212> PRT			
<213> Homo sapiens			
<400> 272			
Ile Leu Gln Lys Cys His Phe Tyr Glu Val Leu Ser Glu Ile Lys Arg			
1	5	10	15
Leu Gly Asp His Leu Ala Glu Lys Thr Ser			
20	25		
<210> 273			
<211> 22			
<212> PRT			
<213> Homo sapiens			
<400> 273			
Asp Ala Gly Leu Glu Arg Thr Asn Pro Glu Tyr Glu Asn Glu Val Glu			
1	5	10	15
Ala Ser Met Asp Met Asp			
20			

<210> 274

<211> 26

<212> PRT

<213> Homo sapiens

<400> 274

Asn Ile Ser Glu Gly Glu Ile Glu Arg Leu Ile Asn Leu Leu Glu Glu  
1 5 10 15

Val Phe His Leu Met Glu Thr Ala Pro His  
20 25

<210> 275

<211> 8

<212> PRT

<213> Homo sapiens

<400> 275

Ile Ser Leu Cys Lys Arg Ser Gly  
1 5

<210> 276

<211> 50

<212> PRT

<213> Homo sapiens

<220>

<221> MISC\_FEATURE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 276

Gly Ser Arg Arg His Val Val Gly Lys Pro Gly Thr Pro Cys Arg Tyr  
1 5 10 15

Arg Ala Gly Ile Pro Xaa Val Asp Pro Arg Val Arg Ser Ile Thr Val  
20 25 30

Ile Val Lys Met Trp Phe Leu Arg Val Val Ala Thr Tyr Gly Gly Val  
35 40 45

Glu Arg

50

<210> 277

<211> 10

<212> PRT

<213> Homo sapiens

<400> 277

Leu Ala Pro Ser Ser Val Gly Ser Ala Ser  
1 5 10

<210> 278

<211> 39

<212> PRT

<213> Homo sapiens

<400> 278

Arg Glu Ala Thr Lys Asn Pro Thr His His Arg Ser Thr Pro His Ala  
1 5 10 15

Ala Gly Ser Gln Leu Asn Val Pro Pro Gln Pro Cys Phe Pro Leu His  
20 25 30

His Gln Ile Lys Thr Ser Pro  
35

<210> 279

<211> 38

<212> PRT

<213> Homo sapiens

<400> 279

Ser Gln Thr Ile Phe Lys Gln Ser Arg His Arg Cys Asp Ser Arg Gln  
1 5 10 15

Glu Ser Thr Trp Leu Cys Ser His Glu Lys Asp Ala Thr Lys Met Met  
20 25 30

His Leu Asn Asp Asn Ser  
35

<210> 280

<211> 48

<212> PRT

<213> Homo sapiens

<400> 280

Val Thr Gly Ser Pro Ile Leu Gln Leu Ala Leu Leu Gln Leu Pro Ala  
1 5 10 15

Trp Pro Leu Arg Gly Arg Leu Arg Gly Lys Arg His Cys Thr Gly Leu  
20 25 30

Asn Leu Ala Ile Ser Gly Asn Gly Gly Glu Trp Gly Gly Arg Gly Glu  
35 40 45

<210> 281

<211> 79

<212> PRT

<213> Homo sapiens

<400> 281

Gln Gly Tyr Ser Thr Lys Pro Arg Leu Met Val Pro Leu Lys Met Asp  
1 5 10 15

Ser Ile Thr Val His Ile Arg Ser Thr Asn Gly Pro Ile Asp Val Tyr  
20 25 30

Leu Cys Glu Val Glu Gln Gly Gln Thr Ser Asn Lys Arg Ser Glu Gly  
35 40 45

Val Gly Thr Ser Ser Ser Glu Ser Thr His Pro Glu Gly Pro Glu Glu  
50 55 60

Glu Glu Asn Pro Gln Gln Ser Glu Glu Leu Leu Glu Val Ser Asn  
65 70 75

<210> 282

<211> 30

<212> PRT

<213> Homo sapiens

<400> 282

Asp Ser Ile Thr Val His Ile Arg Ser Thr Asn Gly Pro Ile Asp Val  
1 5 10 15

Tyr Leu Cys Glu Val Glu Gln Gly Gln Thr Ser Asn Lys Arg  
20 25 30

<210> 283

<211> 25

<212> PRT

<213> Homo sapiens

<400> 283

Leu Met Val Pro Leu Lys Met Asp Ser Ile Thr Val His Ile Arg Ser  
1 5 10 15

Thr Asn Gly Pro Ile Asp Val Tyr Leu  
20 25

<210> 284

<211> 26

<212> PRT

<213> Homo sapiens

<400> 284

Gln Gly Gln Thr Ser Asn Lys Arg Ser Glu Gly Val Gly Thr Ser Ser  
1 5 10 15

Ser Glu Ser Thr His Pro Glu Gly Pro Glu  
20 25

<210> 285

<211> 25

<212> PRT

<213> Homo sapiens

<400> 285

Ile Arg His Glu Tyr Pro Val Leu Ile Gln Phe Ser Val Ser Tyr Arg  
1 5 10 15

Lys Ser Phe Ile Phe Cys Leu Pro Glu  
20 25

<210> 286

<211> 41

<212> PRT

<213> Homo sapiens

<400> 286

Lys Gln Val Lys Cys Ala Lys Val Ser Tyr Leu Leu Phe Leu Phe Gln  
1 5 10 15

Tyr Cys Ala Ile Asp Ser Cys Ile Lys Phe Trp Asn Ala Gly Ser Ser  
20 25 30

Trp Leu Ser Ser Val Thr Leu Trp Ser  
35 40

<210> 287

<211> 13

<212> PRT

<213> Homo sapiens

<400> 287

Ile Tyr Val Met Asp Thr Ser Arg Ser Thr Asn Pro Val  
1 5 10

<210> 288

<211> 14

<212> PRT

<213> Homo sapiens

<400> 288

Asn Met Leu Tyr Ala Cys Ser Ile Leu Tyr Lys Thr Lys Leu  
1 5 10

<210> 289

<211> 19

<212> PRT

<213> Homo sapiens

<400> 289

Met Asn Lys Thr Asp Ile Ile Asp His Ser Phe Ala Val Glu Trp Met  
1 5 10 15

Gln Asp Phe

<210> 290

<211> 13

<212> PRT

<213> Homo sapiens

<400> 290

Ala Phe Gln Asp Ala Leu Asn Gln Glu Thr Thr Tyr Val  
1 5 10

<210> 291  
 <211> 41  
 <212> PRT  
 <213> Homo sapiens

<400> 291  
 Asn Leu Thr Arg Ser Met Ser Leu Val Leu Asp Glu Phe Tyr Ser Ser  
 1 5 10 15

Leu Arg Val Val Gly Val Ser Ala Val Leu Gly Thr Gly Leu Asp Glu  
 20 25 30

Leu Phe Val Gln Val Thr Ser Ala Ala  
 35 40

<210> 292  
 <211> 10  
 <212> PRT  
 <213> Homo sapiens

<400> 292  
 Leu Lys Lys Ser Leu Ala Asn Ala Glu Ser  
 1 5 10

<210> 293  
 <211> 29  
 <212> PRT  
 <213> Homo sapiens

<400> 293  
 Lys Asp Met Gly Ser Val Ala Leu Asp Ala Gly Thr Ala Lys Asp Ser  
 1 5 10 15

Leu Ser Pro Val Leu His Pro Ser Asp Leu Ile Leu Thr  
 20 25

<210> 294  
 <211> 28  
 <212> PRT  
 <213> Homo sapiens

<400> 294  
 Ala Gly Ser Gly Lys Thr Thr Phe Val Gln Arg Leu Thr Gly His Leu  
 1 5 10 15

His Ala Gln Gly Thr Pro Pro Tyr Val Ile Asn Leu  
 20 25

<210> 295  
 <211> 134  
 <212> PRT  
 <213> Homo sapiens

<220>  
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<222> (63)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <222> (98)  
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<220>  
 <221> MISC\_FEATURE  
 <222> (119)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 295  
 Ser Thr Trp Ile Gln Gln Tyr Met Lys Phe Pro Phe Leu Pro Ile Leu  
 1 5 10 15

Val Met Lys Phe Ile Glu Lys Ala Gln Asn Met Ser Lys Tyr Val Leu  
 20 25 30

Ile Asp Thr Pro Gly Gln Ile Glu Val Phe Thr Trp Ser Ala Ser Gly  
 35 40 45

Thr Ile Ile Thr Glu Ala Leu Ala Ser Ser Phe Pro Thr Val Xaa Ile  
 50 55 60

Tyr Val Met Asp Thr Ser Arg Ser Thr Asn Pro Val Thr Phe Met Cys  
 65 70 75 80

Asn Met Leu Tyr Ala Cys Ser Ile Leu Tyr Lys Thr Lys Leu Ala Phe  
 85 90 95

Ile Xaa Gly Met Asn Lys Thr Asp Ile Ile Asp His Ser Phe Ala Val  
 100 105 110

Glu Trp Met Gln Asp Phe Xaa Ala Phe Gln Asp Ala Leu Asn Gln Glu  
 115 120 125

Thr Thr Tyr Val Ile Thr  
 130

<210> 296  
 <211> 197  
 <212> PRT  
 <213> Homo sapiens

<400> 296  
 Gly Phe Pro Arg Cys Leu Glu Ser Arg Asp Tyr Ile Arg His Asn Leu  
 1 5 10 15

Thr Arg Ser Met Ser Leu Val Leu Asp Glu Phe Tyr Ser Ser Leu Arg  
 20 25 30

Val Val Gly Val Ser Ala Val Leu Gly Thr Gly Leu Asp Glu Leu Phe  
 35 40 45

Val Gln Val Thr Ser Ala Ala Glu Glu Tyr Glu Arg Glu Tyr Arg Pro  
 50 55 60

Glu Tyr Glu Arg Leu Lys Lys Ser Leu Ala Asn Ala Glu Ser Gln Gln  
65 70 75 80  
Gln Arg Glu Gln Leu Glu Arg Leu Arg Lys Asp Met Gly Ser Val Ala  
85 90 95  
Leu Asp Ala Gly Thr Ala Lys Asp Ser Leu Ser Pro Val Leu His Pro  
100 105 110  
Ser Asp Leu Ile Leu Thr Arg Gly Thr Leu Asp Glu Glu Asp Glu Glu  
115 120 125  
Ala Asp Ser Asp Thr Asp Asp Ile Asp His Arg Val Thr Glu Glu Ser  
130 135 140  
His Glu Glu Pro Ala Phe Gln Asn Phe Met Gln Glu Ser Met Ala Gln  
145 150 155 160  
Tyr Trp Lys Arg Asn Asn Lys His Arg Val Thr Glu Glu Ser His Glu  
165 170 175  
Glu Pro Ala Phe Gln Asn Phe Met Gln Glu Ser Met Ala Gln Tyr Trp  
180 185 190  
Lys Arg Asn Asn Lys  
195

<210> 297

<211> 24

<212> PRT

<213> Homo sapiens

<400> 297

Thr Phe Lys Ser Leu Trp Lys His Trp Thr Leu Ala Gly Pro Gly Asn  
1 5 10 15

Ile Gly Lys Asn Trp Ile Gly Arg  
20

<210> 298

<211> 163

<212> PRT

<213> Homo sapiens

<400> 298

Ala His Ala Val Trp Arg Pro Gly Val Leu Pro Gly Leu Val Glu Leu  
1 5 10 15

Arg Val Cys His Leu Leu Ala Glu Leu Glu His Pro Cys Ala Gln  
20 25 30

Val Val His Gln Val Gly Gly Val Cys Val Cys Val Met Trp Asn Met  
35 40 45

Ala Val Asn Leu Asn Arg Phe Pro Cys Pro Leu Leu Cys Arg His Phe  
50 55 60

Tyr Lys Pro Met Leu Arg Arg Gly Ser Ser Lys Trp Met Ala Arg Thr

65

70

75

80

Gly Val Phe Leu Ala Ser Ala Phe Phe His Glu Tyr Leu Val Ser Val  
85 90 95

Pro Leu Arg Met Phe Arg Leu Trp Ala Phe Thr Gly Met Met Ala Gln  
100 105 110

Ile Pro Leu Ala Trp Phe Val Gly Arg Phe Phe Gln Gly Asn Tyr Gly  
115 120 125

Asn Ala Ala Val Trp Leu Ser Leu Ile Ile Gly Gln Pro Ile Ala Val  
130 135 140

Leu Met Tyr Val His Asp Tyr Tyr Val Leu Asn Tyr Glu Ala Pro Ala  
145 150 155 160

Ala Glu Ala

<210> 299

<211> 8

<212> PRT

<213> Homo sapiens

<400> 299

Tyr Phe Leu Phe Ala Pro Thr Leu  
1 5

<210> 300

<211> 16

<212> PRT

<213> Homo sapiens

<400> 300

Asn Leu Asn Arg Phe Pro Cys Pro Leu Leu Cys Arg His Phe Tyr Lys  
1 5 10 15

<210> 301

<211> 16

<212> PRT

<213> Homo sapiens

<400> 301

Gln Gly Asn Tyr Gly Asn Ala Ala Val Trp Leu Ser Leu Ile Ile Gly  
1 5 10 15

<210> 302

<211> 17

<212> PRT

<213> Homo sapiens

<400> 302

Leu Tyr Tyr Phe Leu Phe Ala Pro Thr Leu Cys Tyr Glu Leu Asn Phe  
1 5 10 15

Pro

<210> 303

<211> 26

<212> PRT

<213> Homo sapiens

<400> 303

Glu Met Leu Phe Phe Thr Gln Leu Gln Val Gly Leu Ile Gln Gln Trp  
1 5 10 15

Met Val Pro Thr Ile Gln Asn Ser Met Lys  
20 25

<210> 304

<211> 18

<212> PRT

<213> Homo sapiens

<400> 304

Val Thr Tyr Phe Trp Gln Asn Trp Asn Ile Pro Val His Lys Trp Cys  
1 5 10 15

Ile Arg

<210> 305

<211> 60

<212> PRT

<213> Homo sapiens

<400> 305

Pro Phe Lys Asp Met Asp Tyr Ser Arg Ile Ile Glu Arg Leu Leu Lys  
1 5 10 15

Leu Ala Val Pro Asn His Leu Ile Trp Leu Ile Phe Phe Tyr Trp Leu  
20 25 30

Phe His Ser Cys Leu Asn Ala Val Ala Glu Leu Met Gln Phe Gly Asp  
35 40 45

Arg Glu Phe Tyr Arg Asp Trp Trp Asn Ser Glu Ser  
50 55 60

<210> 306

<211> 48

<212> PRT

<213> Homo sapiens

<400> 306  
Arg His Phe Tyr Lys Pro Met Leu Arg Arg Gly Ser Ser Lys Trp Met  
1 5 10 15  
  
Ala Arg Thr Gly Val Phe Leu Ala Ser Ala Phe Phe His Glu Tyr Leu  
20 25 30  
  
Val Ser Val Pro Leu Arg Met Phe Arg Leu Trp Ala Phe Thr Gly Met  
35 40 45

<210> 307  
<211> 47  
<212> PRT  
<213> Homo sapiens  
  
<400> 307  
Met Ala Gln Ile Pro Leu Ala Trp Phe Val Gly Arg Phe Phe Gln Gly  
1 5 10 15  
  
Asn Tyr Gly Asn Ala Ala Val Trp Leu Ser Leu Ile Ile Gly Gln Pro  
20 25 30  
  
Ile Ala Val Leu Met Tyr Val His Asp Tyr Tyr Val Leu Asn Tyr  
35 40 45

<210> 308  
<211> 13  
<212> PRT  
<213> Homo sapiens  
  
<400> 308  
Ile Arg His Glu Asp Glu Val Lys Leu Leu Glu Trp Ser  
1 5 10

<210> 309  
<211> 31  
<212> PRT  
<213> Homo sapiens  
  
<400> 309  
Glu Phe Gly Thr Ser Arg Gly Pro Val Pro Leu Ser Ser Thr Ser Pro  
1 5 10 15  
  
Met Pro Ser Arg Leu Val Ile Arg Ala His Ser Leu Leu Phe Ala  
20 25 30

<210> 310  
<211> 6  
<212> PRT  
<213> Homo sapiens  
  
<400> 310  
Ala Thr Ser His Cys Gly

1 5

<210> 311  
<211> 41  
<212> PRT  
<213> Homo sapiens

<400> 311  
Met Glu Glu Glu Ala Tyr Ser Lys Gly Phe Gln Glu Gly Leu Lys Lys  
1 5 10 15  
Thr Lys Glu Leu Gln Asp Leu Lys Glu Glu Glu Glu Gln Lys Ser  
20 25 30  
Glu Ser Pro Glu Glu Pro Glu Glu Val  
35 40

<210> 312  
<211> 37  
<212> PRT  
<213> Homo sapiens

<400> 312  
Glu Glu Thr Glu Glu Glu Lys Gly Pro Arg Ser Ser Lys Leu Glu  
1 5 10 15  
Glu Leu Val His Phe Leu Gln Val Met Tyr Pro Lys Leu Cys Gln His  
20 25 30  
Trp Gln Val Ile Trp  
35

<210> 313  
<211> 16  
<212> PRT  
<213> Homo sapiens

<400> 313  
Met Glu Trp Glu Gly Gly Ala Ile Arg His Pro Ser Thr Glu Leu Gly  
1 5 10 15

<210> 314  
<211> 36  
<212> PRT  
<213> Homo sapiens

<400> 314  
Arg Pro Thr Arg Pro Pro Asp Gly Cys His Pro Ser Cys Cys Arg Met  
1 5 10 15  
Glu Ala Ala Met Glu Trp Glu Gly Gly Ala Ile Arg His Pro Ser Thr  
20 25 30

Glu Leu Gly Ile  
35

<210> 315  
<211> 52  
<212> PRT  
<213> Homo sapiens

<400> 315  
Gly Lys Val Glu Ile Glu Val Phe Ile Phe Pro Tyr Glu Tyr Pro Val  
1 5 10 15

Val Pro Thr Pro Leu Ile Lys Asn Thr Ile Leu Tyr Pro Leu Ser Leu  
20 25 30

Phe Cys Thr Phe Ile Lys Asn Gln Phe Ser Ile Tyr Leu Trp Ile Lys  
35 40 45

Phe Phe Ile Phe  
50

<210> 316  
<211> 38  
<212> PRT  
<213> Homo sapiens

<220>  
<221> MISC\_FEATURE  
<222> (7)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 316  
Ala Pro Gln Lys Phe Pro Xaa Gly Phe Phe Phe Phe Leu Phe Ser  
1 5 10 15

Arg Arg Lys Lys Gln Cys Ser Lys Val Val Gln Asn Thr Gly Ala Gly  
20 25 30

Ala Ile Gln Thr Gln Val  
35

<210> 317  
<211> 38  
<212> PRT  
<213> Homo sapiens

<400> 317  
Gln Leu Leu Thr Ser Pro Thr Phe Ser Thr Val Leu Ser Asn Tyr Thr  
1 5 10 15

Cys Gln Ala Pro Ser Gln Trp Thr Asp Trp Gln Ala Leu Leu Pro Thr  
20 25 30

Gly Ile Gln Thr Glu His  
35

<210> 318  
 <211> 36  
 <212> PRT  
 <213> Homo sapiens

<400> 318  
 His Gln Gly Trp Asp Lys Gln Lys Gln Cys Lys Arg Lys Cys Glu His  
 1 5 10 15

Glu His Ala Pro Leu His His Asn Leu Trp Lys Gln Ser Gly Lys Thr  
 20 25 30

Arg Leu Gly Asp  
 35

<210> 319  
 <211> 35  
 <212> PRT  
 <213> Homo sapiens

<400> 319  
 Glu Cys Gln Glu Tyr Glu Ile Leu Glu His Cys Trp Trp Glu Cys Lys  
 1 5 10 15

Leu Val Gln Pro Phe Trp Lys Ser Ser Cys Arg Ile Pro Ala Ala Arg  
 20 25 30

Gly Ile His  
 35

<210> 320  
 <211> 15  
 <212> PRT  
 <213> Homo sapiens

<400> 320  
 His Cys Trp Trp Glu Cys Lys Leu Val Gln Pro Phe Trp Lys Ser  
 1 5 10 15

<210> 321  
 <211> 6  
 <212> PRT  
 <213> Homo sapiens

<400> 321  
 Phe Thr Phe Pro Pro Thr  
 1 5

<210> 322  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<400> 322  
 Arg Ala Thr Thr His Val Ser Arg Glu Phe Phe Gly His Thr  
 1 5 10

<210> 323  
 <211> 43  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> MISC\_FEATURE  
 <222> (9)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 323  
 Ala Asp Val Glu Leu Val Asp Pro Xaa Gly Cys Arg Asn Ser Ala Arg  
 1 5 10 15

Ala Pro Ala Arg Lys Lys Glu Trp His Ser Trp Ala Trp Pro Arg Ile  
 20 25 30

Arg Val Ile Arg Ala Arg Glu Ser Leu Gly Ser  
 35 40

<210> 324  
 <211> 34  
 <212> PRT  
 <213> Homo sapiens

<400> 324  
 Gly Leu Trp Leu Ser Leu Gly Gly Phe His Glu Arg Gly Gln Asp Trp  
 1 5 10 15

Glu Gln Thr Gln Lys Ile Tyr Asn Cys His Val Leu Leu Asn Arg Lys  
 20 25 30

Gly Gln

<210> 325  
 <211> 68  
 <212> PRT  
 <213> Homo sapiens

<400> 325  
 Ala Trp Pro Arg Leu Gly Ala Asp Ser Glu Asn Leu Gln Leu Ser Arg  
 1 5 10 15

Ala Ala Glu Gln Lys Gly Ala Val Val Ala Thr Tyr Arg Lys Thr His  
 20 25 30

Leu Cys Asp Val Glu Ile Pro Gly Gln Gly Leu Cys Val Lys Ala Thr  
 35 40 45

Leu Pro Cys Leu Gly Pro Val Leu Ser His Leu Ser Ala His Gln Gln  
 50 55 60

Ala Arg Leu Val  
 65

<210> 326  
 <211> 27  
 <212> PRT  
 <213> Homo sapiens

<400> 326  
 Arg Ala Ala Glu Gln Lys Gly Ala Val Val Ala Thr Tyr Arg Lys Thr  
 1 5 10 15

His Leu Cys Asp Val Glu Ile Pro Gly Gln Gly  
 20 25

<210> 327  
 <211> 8  
 <212> PRT  
 <213> Homo sapiens

<400> 327  
 Arg Arg Asp Ser Arg Ala Gly Ala  
 1 5

<210> 328  
 <211> 41  
 <212> PRT  
 <213> Homo sapiens

<400> 328  
 Thr Leu Phe Ser Met Phe Ser Gly Pro Leu Gly Arg Gln Thr Gln Leu  
 1 5 10 15

Asp Phe Arg Ala Asp Ile Gly Glu Glu Asn Met Ala Leu Ser Val Leu  
 20 25 30

Ser Pro Asp Lys Cys Tyr Leu Tyr Thr  
 35 40

<210> 329  
 <211> 46  
 <212> PRT  
 <213> Homo sapiens

<400> 329  
 His Pro Asn Leu Lys Arg Lys Cys Ile Ser Leu Gly Phe Lys His Cys  
 1 5 10 15

Asn Arg Tyr Lys Ala Lys Ile Lys Thr Cys Cys Lys Val Gln Lys Lys  
 20 25 30

Lys Gly Arg  
 35 40 45

<210> 330  
 <211> 127  
 <212> PRT  
 <213> Homo sapiens

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<220>
<221> MISC_FEATURE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> MISC_FEATURE
<222> (110)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (112)
<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (117)
<223> Xaa equals any of the naturally occurring L-amino acids

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<221> MISC_FEATURE
<222> (118)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 330
His His His Leu Arg Val Gly Ser Pro Trp Ser His Pro Glu Thr Gly
 1           5           10          15

Thr Ala Val His Gly Ala His Pro Gln Gly Glu Ala Ala Ser Asp Arg
 20          25          30

His Arg Gly Cys Phe Tyr Arg Arg Gln Leu Met His Gln Leu Pro
 35          40          45

Ile Tyr Asp Gln Asp Pro Ser Arg Cys Arg Gly Leu Leu Glu Asn Glu
 50          55          60

Leu Lys Leu Met Glu Glu Phe Val Lys Gln Tyr Lys Ser Glu Ala Leu
 65          70          75          80

Gly Val Gly Glu Val Ala Leu Pro Gly Xaa Gly Trp Leu Ala Lys Glu
 85          90          95

Glu Gly Lys Gln Gln Glu Lys Pro Glu Gly Ala Glu Thr Xaa Ala Xaa
100          105         110

Thr Thr Asn Gly Xaa Xaa Ser Asp Pro Ser Lys Glu Glu Ala Cys
115          120         125

<210> 331
<211> 7
<212> PRT
<213> Homo sapiens

<400> 331
Thr Tyr Glu Trp Ala Pro Pro
 1           5

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<210> 332  
<211> 7  
<212> PRT  
<213> Homo sapiens

<400> 332  
Pro Lys Glu Lys Gln Pro Val  
1 5

<210> 333  
<211> 34  
<212> PRT  
<213> Homo sapiens

<400> 333  
Pro Arg Pro Ala Asn Leu Ala Ile Gln Pro Pro Leu Ser Pro Leu Arg  
1 5 10 15  
Ala Leu Ala Pro Leu Pro Glu Lys Pro Gly Ala Val Pro Pro Pro Gln  
20 25 30  
Lys Arg

<210> 334  
<211> 30  
<212> PRT  
<213> Homo sapiens

<400> 334  
Phe Arg Ala Trp Arg Asn His Gly His Ser Cys Phe Leu Cys Glu Ile  
1 5 10 15  
Val Ile Arg Ser Gln Phe His Thr Thr Tyr Glu Pro Glu Ala  
20 25 30

<210> 335  
<211> 102  
<212> PRT  
<213> Homo sapiens

<400> 335  
Ala Asp Asn Asn Phe Thr Gln Glu Thr Ala Met Thr Met Ile Thr Pro  
1 5 10 15  
Ser Ser Lys Leu Thr Leu Thr Lys Gly Asn Lys Ser Trp Ser Ser Thr  
20 25 30  
Ala Val Ala Ala Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn  
35 40 45  
Ser Ala Arg Ala Val Leu Leu Ile Trp Gly His Gly Ser Ser Gly Lys  
50 55 60  
Met Ala Leu Cys Gly Val Glu Val Ser Pro Arg Val Gly Gly Ser Val

65 70 75 80

Pro Val His Arg Tyr Leu Leu Ala Ala His Ile His Ser Glu Ala Leu  
85 90 95

Leu Ser Gln Leu Arg Met  
100

<210> 336

<211> 24

<212> PRT

<213> Homo sapiens

<400> 336

Thr Ala Met Thr Met Ile Thr Pro Ser Ser Lys Leu Thr Leu Thr Lys  
1 5 10 15

Gly Asn Lys Ser Trp Ser Ser Thr  
20

<210> 337

<211> 26

<212> PRT

<213> Homo sapiens

<400> 337

Ser Ser Gly Lys Met Ala Leu Cys Gly Val Glu Val Ser Pro Arg Val  
1 5 10 15

Gly Gly Ser Val Pro Val His Arg Tyr Leu  
20 25

<210> 338

<211> 7

<212> PRT

<213> Homo sapiens

<400> 338

Val Asp Pro Val Lys Gly Gly  
1 5

<210> 339

<211> 15

<212> PRT

<213> Homo sapiens

<400> 339

His Arg Leu Gln Val Phe Ser Phe Pro Ile Leu Gly Ser His Asn  
1 5 10 15

<210> 340

<211> 14

<212> PRT

<213> Homo sapiens

<400> 340  
 Lys Trp Lys Gly Asp Leu His Cys Ile Leu Gly Leu Leu Ala  
 1 5 10

<210> 341  
 <211> 194  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> MISC\_FEATURE  
 <222> (73)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 341  
 Glu Val Ile Asn Thr Leu Ala Asp His Arg His Arg Gly Thr Asp Phe  
 1 5 10 15

Gly Gly Ser Pro Trp Leu Leu Ile Ile Thr Val Phe Leu Arg Ser Tyr  
 20 25 30

Lys Phe Ala Ile Ser Leu Cys Thr Ser Tyr Leu Cys Val Ser Phe Leu  
 35 40 45

Lys Thr Ile Phe Pro Ser Gln Asn Gly His Asp Gly Ser Thr Asp Val  
 50 55 60

Gln Gln Arg Ala Arg Arg Ser Asn Xaa Arg Arg Gln Glu Gly Ile Lys  
 65 70 75 80

Ile Val Leu Glu Asp Ile Phe Thr Leu Trp Arg Gln Val Glu Thr Lys  
 85 90 95

Val Arg Ala Lys Ile Arg Lys Met Lys Val Thr Thr Lys Val Asn Arg  
 100 105 110

His Asp Lys Ile Asn Gly Lys Arg Lys Thr Ala Lys Glu His Leu Arg  
 115 120 125

Lys Leu Ser Met Lys Glu Arg Glu His Gly Glu Lys Glu Arg Gln Val  
 130 135 140

Ser Glu Ala Glu Glu Asn Gly Lys Leu Asp Met Lys Glu Ile His Thr  
 145 150 155 160

Tyr Met Glu Met Phe Gln Arg Ala Gln Val Cys Gly Gly Gln Arg  
 165 170 175

Thr Thr Thr Asp Ala Lys Ser Pro Leu Leu Gln Glu Ser Leu Phe Ala  
 180 185 190

Thr Gly

<210> 342  
 <211> 143  
 <212> PRT  
 <213> Homo sapiens

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<220>
<221> MISC_FEATURE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> MISC_FEATURE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> MISC_FEATURE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> MISC_FEATURE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 342
Ile Cys Val Lys Thr Phe Pro Pro Leu Ala Leu Gln Val Arg Met Ala
      1           5           10          15

Ala Xaa Glu His Arg His Ser Ser Gly Leu Pro Xaa Trp Pro Tyr Leu
      20          25          30

Thr Ala Glu Thr Leu Lys Asn Arg Met Gly His Gln Pro Pro Pro Pro
      35          40          45

Thr Gln Gln His Ser Ile Xaa Asp Asn Ser Leu Ser Leu Lys Thr Pro
      50          55          60

Ala Glu Cys Leu Leu Tyr Pro Leu Pro Pro Ser Ala Asp Asp Asn Leu
      65          70          75          80

Lys Thr Pro Xaa Glu Cys Leu Leu Thr Pro Leu Pro Pro Ser Ala Pro
      85          90          95

Pro Ser Ala Asp Asp Asn Leu Lys Thr Pro Pro Glu Cys Val Cys Ser
      100         105         110

Leu Pro Phe His Pro Gln Leu His Pro Gln Arg Met Ile Ile Ser Arg
      115         120         125

His Leu Pro Ser Val Ser Ala His Ser Pro Ser Thr Leu Ser Gly
      130         135         140

<210> 343
<211> 20
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

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<400> 343  
Arg Ala Arg Arg Ser Asn Xaa Arg Arg Gln Glu Gly Ile Lys Ile Val  
1 5 10 15

Leu Glu Asp Ile  
20

<210> 344  
<211> 16  
<212> PRT  
<213> Homo sapiens

<400> 344  
Leu Ser Leu Lys Thr Pro Ala Glu Cys Leu Leu Tyr Pro Leu Pro Pro  
1 5 10 15

<210> 345  
<211> 159  
<212> PRT  
<213> Homo sapiens

<220>  
<221> MISC\_FEATURE  
<222> (63)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> MISC\_FEATURE  
<222> (137)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 345  
Tyr Ala Leu Arg Thr Gly Ala Phe Glu Pro Ala Glu Ala Ser Val Asn  
1 5 10 15

Pro Gln Asp Leu Gln Gly Ser Leu Gln Glu Leu Lys Glu Arg Ala Leu  
20 25 30

Ser Arg Tyr Asn Leu Val Arg Gly Gln Gly Pro Glu Arg Leu Val Ser  
35 40 45

Gly Ser Asp Asp Phe Thr Leu Phe Leu Trp Ser Pro Ala Glu Xaa Lys  
50 55 60

Lys Pro Leu Thr Arg Met Thr Gly His Gln Ala Leu Ile Asn Gln Val  
65 70 75 80

Leu Phe Ser Pro Asp Ser Arg Ile Val Ala Ser Ala Ser Phe Asp Lys  
85 90 95

Ser Ile Lys Leu Trp Asp Gly Arg Thr Gly Lys Tyr Leu Ala Ser Leu  
100 105 110

Arg Gly His Val Ala Ala Val Tyr Gln Ile Ala Trp Ser Ala Asp Ser  
115 120 125

Arg Leu Leu Val Ser Gly Ser Ser Xaa Gln His Thr Glu Gly Val Gly  
130 135 140

Cys Glu Gly Pro Glu Ala Gly His Gly Pro Ala Arg Pro Arg Gly  
145 150 155

<210> 346  
<211> 21  
<212> PRT  
<213> Homo sapiens

<400> 346  
Leu Lys Glu Arg Ala Leu Ser Arg Tyr Asn Leu Val Arg Gly Gln Gly  
1 5 10 15

Pro Glu Arg Leu Val  
20

<210> 347  
<211> 27  
<212> PRT  
<213> Homo sapiens

<400> 347  
Lys His Val Ile Phe Phe Met Phe Ile Ser Asn Leu Phe Leu Ile Leu  
1 5 10 15

Cys Phe Leu Phe Arg Pro Thr Lys Thr Thr Val  
20 25

<210> 348  
<211> 27  
<212> PRT  
<213> Homo sapiens

<400> 348  
Phe Leu Leu Ile Glu Ser Tyr Gln Lys Leu Arg Asn Lys Thr Asn Leu  
1 5 10 15

Ser Leu His Val Phe Leu Phe His Thr Glu Val  
20 25

<210> 349  
<211> 137  
<212> PRT  
<213> Homo sapiens

<400> 349  
Met Pro Thr Pro Ser Met Arg Ala Asn Arg Met Pro Pro Ile Ile Ala  
1 5 10 15

Glu Pro Thr Met Ala Ser Gly Pro Leu Arg Ala Ala Ser Thr Ala Pro  
20 25 30

Val Asn Ala Pro Leu Val Ile Glu Phe Gln Gly Ser Ser Leu Pro Arg

35	40	45
Ser Arg Thr Arg Pro Gln Ser Met Val Glu Asn Arg Pro Pro His Thr		
50	55	60
Ala Lys Leu Pro Pro Ile Trp Gly Ala Arg Ile Leu Thr Ala Leu Ala		
65	70	75
Leu Pro Leu Asn Arg Cys Arg Ile Pro Thr Gly Ala Leu Arg Lys Pro		
85	90	95
Leu Met Ala Trp Lys Thr Pro Pro Pro Met Thr Pro Ile Val Lys Ala		
100	105	110
Pro Pro Gln Ser Ser Thr Ile Arg His Gly Gln Gly Ser Arg Ala Tyr		
115	120	125
Ser Gly Arg Val Gly Gly Arg Val Gly		
130	135	
<210> 350		
<211> 25		
<212> PRT		
<213> Homo sapiens		
<400> 350		
Gly Ala Arg Ile Leu Thr Ala Leu Ala Leu Pro Leu Asn Arg Cys Arg		
1	5	10
Ile Pro Thr Gly Ala Leu Arg Lys Pro		
20	25	
<210> 351		
<211> 38		
<212> PRT		
<213> Homo sapiens		
<400> 351		
Pro Thr Arg Pro Pro Thr Arg Pro Glu Tyr Ala Arg Glu Pro Cys Pro		
1	5	10
Trp Arg Ile Val Asp Asp Cys Gly Gly Ala Phe Thr Met Gly Val Ile		
20	25	30
Gly Gly Gly Val Phe Gln		
35		
<210> 352		
<211> 39		
<212> PRT		
<213> Homo sapiens		
<400> 352		
Ala Ile Lys Gly Phe Arg Asn Ala Pro Val Gly Ile Arg His Arg Leu		
1	5	10
Arg Gly Ser Ala Asn Ala Val Arg Ile Arg Ala Pro Gln Ile Gly Gly		

20

25

30

Ser Phe Ala Val Trp Gly Gly  
35

<210> 353  
<211> 40  
<212> PRT  
<213> Homo sapiens

<400> 353  
Leu Phe Ser Thr Ile Asp Cys Gly Leu Val Arg Leu Arg Gly Lys Glu  
1 5 10 15

Asp Pro Trp Asn Ser Ile Thr Ser Gly Ala Leu Thr Gly Ala Val Leu  
20 25 30

Ala Ala Arg Ser Gly Pro Leu Ala  
35 40

<210> 354  
<211> 38  
<212> PRT  
<213> Homo sapiens

<400> 354  
Ile Arg His Glu Arg Lys Ser Ala Arg Ala Cys Cys Pro Leu Thr Gly  
1 5 10 15

Ala Gln Arg Arg Gly Gln Ala Leu Pro Thr Pro Arg Ala Gly Pro Gly  
20 25 30

His Ser Pro Ala Pro Val  
35

<210> 355  
<211> 38  
<212> PRT  
<213> Homo sapiens

<400> 355  
Ala Pro Ser Ala Pro Gln Glu Asp Gly Gly Ser Pro Pro Ala Pro Gln  
1 5 10 15

Gly Gln Pro Asp Pro Gly Pro Gly Ala Gly Gln Pro Ala Gln Leu Gly  
20 25 30

Pro Leu Leu Ala Phe Leu  
35

<210> 356  
<211> 44  
<212> PRT  
<213> Homo sapiens

<400> 356

Pro Leu Leu His Gln Asp Cys Lys Glu Ser Pro His Leu Gly Ser Ser  
1 5 10 15

Gly Ser Pro Val Gln Ala Leu Asp Leu Ser Ser Ile Gln Thr Arg Thr  
20 25 30

Ala Val Ser Cys Val Asp Gly Val Arg Leu Trp Ala  
35 40

<210> 357

<211> 78

<212> PRT

<213> Homo sapiens

<400> 357

Thr Leu His Pro Pro Gln Glu Pro Gln Arg Pro Glu Ala Pro Asp Ala  
1 5 10 15

Gly Asp Pro Ala Pro Leu Pro Ser Thr Ser Ser Val Gly Ser Ser Ser  
20 25 30

Gly Gly Ala Cys Gly Val Pro Cys Ala His Trp Arg Val Cys Gly Leu  
35 40 45

Ile His Leu Val Ala Leu Arg Gly Gly Ile Arg Ala Pro Val Ser Pro  
50 55 60

Pro Phe Met Phe Asn Leu His His Asn Leu Leu Asn Leu Arg  
65 70 75

<210> 358

<211> 21

<212> PRT

<213> Homo sapiens

<400> 358

Glu Pro Gln Arg Pro Glu Ala Pro Asp Ala Gly Asp Pro Ala Pro Leu  
1 5 10 15

Pro Ser Thr Ser Ser  
20

<210> 359

<211> 15

<212> PRT

<213> Homo sapiens

<400> 359

Arg Val Cys Gly Leu Ile His Leu Val Ala Leu Arg Gly Gly Ile  
1 5 10 15

<210> 360

<211> 18

<212> PRT

<213> Homo sapiens

<400> 360  
Ile Phe Ser Cys Asp Ser Ile Ala Ile Ile Gln Ile Lys His Leu Ala  
1 5 10 15

Phe Pro

<210> 361  
<211> 13  
<212> PRT  
<213> Homo sapiens

<400> 361  
His Ser Gly Val Gln Thr Ile Ala Phe Gly Leu Glu Cys  
1 5 10

<210> 362  
<211> 25  
<212> PRT  
<213> Homo sapiens

<400> 362  
Lys Val Gln Asp Arg Asp Gly Lys Glu Arg Arg Lys Gln Glu Glu Val  
1 5 10 15  
Lys Leu Gly Arg Trp Cys Gln Trp His  
20 25

<210> 363  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 363  
Leu Ala Pro Ser Ser Val Gly Ser Ala Ser  
1 5 10

<210> 364  
<211> 39  
<212> PRT  
<213> Homo sapiens

<400> 364  
Arg Glu Ala Thr Lys Asn Pro Thr His His Arg Ser Thr Pro His Ala  
1 5 10 15  
Ala Gly Ser Gln Leu Asn Val Pro Pro Gln Pro Cys Phe Pro Leu His  
20 25 30  
His Gln Ile Lys Thr Ser Pro  
35

<210> 365  
<211> 38  
<212> PRT

<213> Homo sapiens

<400> 365

Ser Gln Thr Ile Phe Lys Gln Ser Arg His Arg Cys Asp Ser Arg Gln  
1 5 10 15

Glu Ser Thr Trp Leu Cys Ser His Glu Lys Asp Ala Thr Lys Met Met  
20 25 30

His Leu Asn Asp Asn Ser  
35

<210> 366

<211> 48

<212> PRT

<213> Homo sapiens

<400> 366

Val Thr Gly Ser Pro Ile Leu Gln Leu Ala Leu Leu Gln Leu Pro Ala  
1 5 10 15

Trp Pro Leu Arg Gly Arg Leu Arg Gly Lys Arg His Cys Thr Gly Leu  
20 25 30

Asn Leu Ala Ile Ser Gly Asn Gly Gly Glu Trp Gly Gly Arg Gly Glu  
35 40 45

<210> 367

<211> 35

<212> PRT

<213> Homo sapiens

<400> 367

Leu Phe Ser Ser Phe Leu Gly Asp Thr Thr Val His Lys Val Leu Ser  
1 5 10 15

Arg Ala Thr Leu His Leu His Pro Ala Pro Tyr Leu Thr Gly Val Asp  
20 25 30

Ser Tyr Ser  
35

<210> 368

<211> 39

<212> PRT

<213> Homo sapiens

<400> 368

Asp Phe Ser Ser Tyr Ser His Pro Ser Leu Gly Thr Gln Leu Ser Ile  
1 5 10 15

Arg Cys Tyr Pro Glu Pro His Cys Ile Cys Thr Gln His His Thr Ser  
20 25 30

Gln Glu Ser Thr Pro Thr Leu  
35

<210> 369  
<211> 19  
<212> PRT  
<213> Homo sapiens

<400> 369  
Arg Pro Thr Arg Pro Ser Ile Leu Gly Leu Tyr Val Asp Leu Tyr Val  
1 5 10 15

Phe Cys Ile

<210> 370  
<211> 44  
<212> PRT  
<213> Homo sapiens

<220>  
<221> MISC\_FEATURE  
<222> (25)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 370  
Gly Ala Ser Ser Arg Pro Arg Leu Glu Leu Gly Arg Leu Met Gly Pro  
1 5 10 15

Lys Gly Val Ala Val Asp Arg Asn Xaa His Ile Ile Val Val Asp Asn  
20 25 30

Lys Ser Cys Cys Val Phe Thr Phe Gln Pro Asn Gly  
35 40

<210> 371  
<211> 44  
<212> PRT  
<213> Homo sapiens

<400> 371  
Lys Leu Val Gly Arg Phe Gly Gly Arg Gly Ala Thr Asp Arg His Phe  
1 5 10 15

Ala Gly Pro His Phe Val Ala Val Asn Asn Lys Asn Glu Ile Val Val  
20 25 30

Thr Asp Phe His Asn His Ser Val Lys Val Tyr Ser  
35 40

<210> 372  
<211> 42  
<212> PRT  
<213> Homo sapiens

<400> 372

Ala Asp Gly Glu Phe Leu Phe Lys Phe Gly Ser His Gly Glu Gly Asn  
1 5 10 15

Gly Gln Phe Asn Ala Pro Thr Gly Val Ala Val Asp Ser Asn Gly Asn  
20 25 30

Ile Ile Val Ala Asp Trp Gly Asn Ser Arg  
35 40

<210> 373

<211> 38

<212> PRT

<213> Homo sapiens

<220>

<221> MISC\_FEATURE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> MISC\_FEATURE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 373

Ile Xaa Gly Ile Arg Xaa Leu Trp Leu Leu Pro Val Leu Tyr Gln His  
1 5 10 15

Ile Cys Arg Thr Thr Val Trp Ser Thr Gly Pro Gly Thr Asp Leu Gly  
20 25 30

Trp Pro Cys Gly Gly Gly  
35